



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 96722

TO: Sheela Huff
Location: CM1/8B07/8E12
Art Unit: 1642
Sunday, June 22, 2003

Case Serial Number: 830811

From: Mary Jane Ruhl
Location: Biotech-Chem Library
CM1-6A06
Phone: 605-1155

maryjane.ruhl@uspto.gov

Search Notes

WO 0117557

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GenCore version 5.1.6
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score greater than or equal to the score of the result being printed,
 and is derived by analysis of the total score distribution.

ON nucleic - nucleic search, using sw model

Run on: June 22, 2003, 08:05:14 : Search time 1915 Seconds
 (without alignments)
 273.551 Million cell updates/sec

Title: US-09-830-811-1
 Perfect score: 18
 Sequence: 1 ggcggcttgtaaacgta 18

Scoring table: IDENTITY_NUC
 Gapop 10.0 , Gapext 1.0

Searched: 2054640 seqs, 14551402878 residues

Total number of hits satisfying chosen parameters: 4109280

Minimum DB seq length: 0
 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Database : GenEmbl:**

1: qb.ba:**
 2: qb.htg:**
 3: qb.bn:**
 4: qb.cm:**
 5: qb.ov:**
 6: qb.pat:**
 7: qb.Dh:**
 8: qb.PI:**
 9: qb.pr:**
 10: qb.ro:**
 11: qb.sts:**
 12: qb_sy:**
 13: qb.un:**
 14: qb.vi:**
 15: em_ba:**
 16: em_fun:**
 17: em_hum:**
 18: em_in:**
 19: em_mu:**
 20: em.om:**
 21: em_or:**
 22: em_lov:**
 23: em_pat:**
 24: em_ph:**
 25: em_Pl:**
 26: em_ro:**
 27: em_sts:**
 28: em_v1:**
 30: em_htg_hum:**
 31: em_htg_inv:**
 32: em_htg_other:**
 33: em_htg_mus:**
 34: em_htg_Pl:**
 35: em_htg_rod:**
 36: em_htg_mam:**
 37: em_htg_vrt:**
 38: em_sy:**
 39: em_htgo_hum:**
 40: em_htgo_mus:**
 41: em_htgo_other:**

SUMMARIES

Result No.	Score	Query	Length	DB	ID	Description
c 1	18	100.0	2625	6	A83556	A83536 Sequence 1
c 2	18	100.0	2625	6	AX093786	AX093786 Sequence 1
c 3	18	100.0	2625	6	I34433	I34433 Sequence 57
c 4	18	100.0	2625	6	I46831	I46831 Sequence 57
c 5	18	100.0	2625	6	155100	155100 Sequence 57
c 6	18	100.0	2625	9	HUMCA1A	L34056 Homo sapien
c 7	18	100.0	3440	9	BC013609	BC013609 Homo sapien
c 8	18	100.0	3661	9	HUMO4A	D21254 Human mRNA
c 9	18	100.0	3712	6	AR034822	AR034822 Sequence
c 10	18	100.0	3712	6	BR07302	BR07302 CDNA encode
c 11	18	100.0	3867	9	HUMO4B	D21255 Human mRNA
c 12	18	100.0	3914	6	AR034823	AR034823 Sequence
c 13	18	100.0	3914	6	B07383	E07383 cDNA encode
c 14	18	100.0	153588	9	AC010533	AC010533 Homo sapi
c 15	18	100.0	189894	2	AC068656	AC068656 Homo sapi
c 16	18	100.0	194690	9	AC025763	AC025763 Homo sapi
c 17	16.4	91.1	3180	10	MUSC1	D31963 Mouse mRNA
c 18	16.4	91.1	3489	10	MUSOFP4	D21253 Mouse mRNA
c 19	16.4	91.1	3581	6	AR034821	AR034821 Sequence
c 20	16.4	91.1	3581	6	E07381	E07381 cDNA encode
c 21	16.4	91.1	4127	6	AMX036074	AX036074 Sequence
c 22	16.4	91.1	4127	10	MMCA01	X77557 M_musculus
c 23	16.4	91.1	64849	2	AC113037	AC113037 Mus musculus
c 24	16.4	91.1	106376	9	AL113814	AL113814 Human DNA
c 25	16.4	91.1	118327	9	HS881513	AL050331 Human DNA
c 26	16.4	91.1	163192	2	AC123048	AC123048 Mus musculus
c 27	16.4	91.1	170453	9	AC006600	AC006600 Homo sapi
c 28	16.4	91.1	173556	2	AC074388	AC074388 Homo sapi
c 29	16.4	91.1	176625	9	AC015977	AC015977 Homo sapi
c 30	16.4	91.1	176638	2	AL1590312	AL1590312 Homo sapi
c 31	16.4	91.1	178549	2	AC109562	AC109562 Rattus norvegicus
c 32	16.4	91.1	205594	2	AL355373	AL355373 Homo sapi
c 33	16.4	91.1	207212	2	AL671876	AL671876 Mus musculus
c 34	16.4	91.1	207212	8	D88659	D88659 BYW0515 c1
c 35	15.4	85.6	3435	6	AX14171	AX14171 Sequence
c 36	15.4	85.6	1206	9	AK027308	AK027308 Homo sapi
c 37	15.4	85.6	1522	9	BC001611	BC001611 Homo sapi
c 38	15.4	85.6	1695	10	RNU5936	U5936 Rattus norvegicus
c 39	15.4	85.6	2137	9	AF213969	AF213969 Homo sapi
c 40	15.4	85.6	2210	9	HS271881	AJ271881 Homo sapi
c 41	15.4	85.6	2213	9	AF152004	AF152004 Homo sapi
c 42	15.4	85.6	2307	6	AR11594	AR11594 Sequence
c 43	15.4	85.6	3268	1	AF269352	AF269352 Staphylococcus aureus
c 44	15.4	85.6	3268	6	AX144672	AX144672 Sequence
c 45	15.4	85.6	10058	1	AE001050	AE001050 Archaeoag

ALIGNMENTS

FEATURES	VERSION
source	134433.1 GI:1825224
ORGANISM	Unknown.
BASE COUNT	730 a 661 c 675 g 559 t
DEFINITION	/organism="unidentified"
ACCESSION	/db_xref="taxon:32644"
VERSION	1 (bases 1 to 2625)
KEYWORDS	Suzuki,S. Cadherin-specific antibodies and hybridoma cell lines
QY	1 GGGGCTGTAAACAGTA 18
DB	185 GGGGCTGTAAACAGTA 168
RESULT 2	
AX093786/c	
ACUS	AX093786
DEFINITION	Sequence 1 from Patent WO0117557.
ACCESSION	2625 bp
VERSION	DNA
KEYWORDS	linear PAT 30-MAR-2001
SOURCE	human.
ORGANISM	Homo sapiens
REFERENCE	Mammalia; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
AUTHORS	1 (bases 1 to 2625)
TITLE	Brenner,M.B. and Valencia,X.
JOURNAL	Methods and compositions for treatment of inflammatory disease using cadherin-11 modulating agents
PATENT	WO 0117557-A 15-MAR-2001;
THE BRIGHAM AND WOMEN'S HOSPITAL, INC. (US)	Location/Qualifiers
FEATURES	1. .2625
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ACCESSION	57
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DEFINITION	Query Match
ACCESSION	Best Local Similarity 100.0%; Score 18; DB 6; Length 2625;
VERSION	Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
KEYWORDS	Unknown.
QY	1 GGGGCTGTAAACAGTA 18
DB	185 GGGGCTGTAAACAGTA 168
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LOCUS	14831
DEFINITION	Sequence 51 from patent US 5639634.
ACCESSION	2625 bp
VERSION	DNA
KEYWORDS	Unknown.
SOURCE	Unclassified.
ORGANISM	(bases 1 to 2625)
REFERENCE	Suzuki,S.
AUTHORS	Cadherin polyaculeotides
TITLE	Patent: US 5639634-A 51 17-JUN-1997;
JOURNAL	Location/Qualifiers
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ACCESSION	Best Local Similarity 100.0%; Score 18; DB 6; Length 2625;
VERSION	Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
KEYWORDS	Unknown.
QY	1 GGGGCTGTAAACAGTA 18
DB	185 GGGGCTGTAAACAGTA 168
RESULT 5	
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LOCUS	155100
DEFINITION	Sequence 57 from patent US 5646250.
ACCESSION	2625 bp
VERSION	DNA
KEYWORDS	linear PAT 07-OCT-1997
SOURCE	Unknown.
ORGANISM	Unclassified.
REFERENCE	1 (bases 1 to 2625)
AUTHORS	Suzuki,S.
TITLE	Cadherin polypeptides
JOURNAL	Patent: US 5646250-A 57 08-JUL-1997;
FEATURES	Location/Qualifiers
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LOCUS	134433
DEFINITION	Sequence 57 from patent US 5597725.
ACCESSION	

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DEFINITION						
VERSION						
LOCUS						BC013609
DEFINITION						Homo sapiens, clone MGC:17193 IMAGE:4183901, mRNA, complete cds.
ACCESSION						BC013609
VERSION						BC013609.1 GI:15488965
KEYWORDS						MGC.
SOURCE						Homo sapiens.
ORGANISM						Bukarotova; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE						1 (bases 1 to 3440)
COMMENT						1 (bases 1 to 3440)
TITLE						Strasbourg R.
JOURNAL						Direct Submission
AUTHORS						L34055.1 GI:506403
ARTICLE						Cadherin-11. Cloning of five cadherins clarifies characteristic features of cadherin extracellular domain and provides further evidence for two structurally different types of cadherin in nervous tissue
TITLE						Suzuki, S., Sano, K. and Tanahashi, H.
JOURNAL						Cell Adhesion Commun. 2, 15-26 (1994)
AUTHORS						Tanahashi, H., Sano, K., Heimark, R.L., St. John, T. and Suzuki, S.
ARTICLE						Cloning of five cadherins clarifies characteristic features of cadherin extracellular domain and provides further evidence for two structurally different types of cadherin in nervous tissue
FEATURES						Cell Regul. 2 (4), 261-270 (1991)
SOURCE						Cell Regul. 2 (4), 261-270 (1991)
CDS						2059658
						(bases 1 to 2625)
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						Cloning of five cadherins clarifies characteristic features of cadherin extracellular domain and provides further evidence for two structurally different types of cadherin in nervous tissue
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						HETYHANVPERSNGVTSQVTDASADDPTGNGTGSNSAKLVYSLLEGQYFSVAGTGT
						TALPNMDREAKEEYHVTQDADPTGNGTGSNSAKLVYSLLEGQYFSVAGTGT
						USEAAVPGEEVGRVKAKDPDGENGLYTYNVDGDKESFTTDIETQEVKIKRP
						VDFTETRAVSKVKEVANVHPTKFLNGPFDVTVKISVDADEPPMFLAPSYHEV
						GGVLOSKRGWYNNOFVFEETGPDPVYRLHSIDSGDNKIKTLLSGGAGTV
						IDDKSGHIAKMTLDRERQAKTILMAQAVDRDTRNPLPEPBFIVKQDIDNPPFL
						HETYHANVPERSNGVTSQVTDASADDPTGNGTGSNSAKLVYSLLEGQYFSVAGTGT
						TALPNMDREAKEEYHVTQDADPTGNGTGSNSAKLVYSLLEGQYFSVAGTGT
						USEAAVPGEEVGRVKAKDPDGENGLYTYNVDGDKESFTTDIETQEVKIKRP
						VDFTETRAVSKVKEVANVHPTKFLNGPFDVTVKISVDADEPPMFLAPSYHEV
						GGVLOSKRGWYNNOFVFEETGPDPVYRLHSIDSGDNKIKTLLSGGAGTV
						IDDKSGHIAKMTLDRERQAKTILMAQAVDRDTRNPLPEPBFIVKQDIDNPPFL
						HETYHANVPERSNGVTSQVTDASADDPTGNGTGSNSAKLVYSLLEGQYFSVAGTGT
						TALPNMDREAKEEYHVTQDADPTGNGTGSNSAKLVYSLLEGQYFSVAGTGT
						USEAAVPGEEVGRVKAKDPDGENGLYTYNVDGDKESFTTDIETQEVKIKRP
						VDFTETRAVSKVKEVANVHPTKFLNGPFDVTVKISVDADEPPMFLAPSYHEV
						GGVLOSKRGWYNNOFVFEETGPDPVYRLHSIDSGDNKIKTLLSGGAGTV
						IDDKSGHIAKMTLDRERQAKTILMAQAVDRDTRNPLPEPBFIVKQDIDNPPFL
						HETYHANVPERSNGVTSQVTDASADDPTGNGTGSNSAKLVYSLLEGQYFSVAGTGT
						TALPNMDREAKEEYHVTQDADPTGNGTGSNSAKLVYSLLEGQYFSVAGTGT
						USEAAVPGEEVGRVKAKDPDGENGLYTYNVDGDKESFTTDIETQEVKIKRP
						VDFTETRAVSKVKEVANVHPTKFLNGPFDVTVKISVDADEPPMFLAPSYHEV
						GGVLOSKRGWYNNOFVFEETGPDPVYRLHSIDSGDNKIKTLLSGGAGTV
						IDDKSGHIAKMTLDRERQAKTILMAQAVDRDTRNPLPEPBFIVKQDIDNPPFL
						HETYHANVPERSNGVTSQVTDASADDPTGNGTGSNSAKLVYSLLEGQYFSVAGTGT
						TALPNMDREAKEEYHVTQDADPTGNGTGSNSAKLVYSLLEGQYFSVAGTGT
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						VDFTETRAVSKVKEVANVHPTKFLNGPFDVTVKISVDADEPPMFLAPSYHEV
						GGVLOSKRGWYNNOFVFEETGPDPVYRLHSIDSGDNKIKTLLSGGAGTV
						IDDKSGHIAKMTLDRERQAKTILMAQAVDRDTRNPLPEPBFIVKQDIDNPPFL
						HETYHANVPERSNGVTSQVTDASADDPTGNGTGSNSAKLVYSLLEGQYFSVAGTGT
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Qy	1	GGGGCTGTAAACAGTA	18	LOCUS	AR034822	3712 bp	DNA	linear	PAT 29-SEP-1999
Db	204	GGGGCTGTAAACAGTA	187	DEFINITION	Sequence 3 from patent US 5869638.				
RESULT 8									
HUMOSFA4/c									
LOCUS	HUMOSFA4A			ACCESSION	AR034822				
DEFINITION	Human mRNA for OB-cadherin-1, complete cds.	3661 bp	mRNA	VERSION	AR034822.1	GI:5950427			
ACCESSION	D21254			KEYWORDS					
VERSION	D21254.1	GI:575577							
KEYWORDS	osf-4; OB-cadherin-1.								
SOURCE	Homo sapiens								
ORGANISM	Homo sapiens								
REFERENCE									
AUTHORS	Okazaki,M., Takeshita,S., Kawai,S., Kikuno,R., Tsujimura,A.,								
TITLE	Molecular cloning and characterization of OB-cadherin, a new member								
FEATURES	or cadherin family expressed in osteoblasts								
source	Journal								
JOURNAL	J. Biol. Chem.	269 (16), 12092-12098 (1994)							
MEDLINE	9421632								
REFERENCE									
AUTHORS	Kikuno,R.								
TITLE	Direct submission								
JOURNAL	Submitted (21-OCT-1993) Reiko Kikuno, Hoechst Japan Ltd, Pharma								
FEATURES	Research Labs.; 1-3-2 Minami-dai, Kawagoe, Saitama, 350-11, Japan (E-mail: rkikuno@dbj.nig.ac.jp, Tel:0492-43-6149, Fax:0492-43-2479)								
source	Location/Qualifiers								
1.	3661								
CD5	/organism="Homo sapiens"								
gene	/db_xref="taxon:9606"								
gene	/clone="PK0170"								
gene	/tissue_type="osteosarcoma"								
gene	/dev_stage="new born"								
1.	3661								
gene	/gene="osf-4"								
442..2832									
gene	/gene="osf-4"								
/odon_start=1									
/product="OB-cadherin-1"									
/protein_id="BA04798.1"									
/db_xref="GI:1377894"									
/translation="MENYCLQALVCLGMCHSHAFAPERRPGRHRSFHGRKGKE									
GDSYLRERKGRGWNNWOFVTEVTEYTGDPDYLGRLRRDDSDGGNNKRYLISGEGACTIV									
IDDSKSGNTTHATWKLDRERQYTLMAQVARDNTNTRPLEPSEFTVKVODINDNPEEL									
HETYHANPERSNVGSVIVQTSASDADDPYGNSKLVSILKESQPYSEVATG									
TALPNMDREAKEYHYTOQARDMGHMGMSGTQVTKTILTWNDNPFPKPSQVQIS									
VSEAVVPGEEVGRVKPDQGELVYDGVYVQKDPQVQVQVQVQVQVQVQVQVQVQ									
VDFETRASLKVKEANVHLDPKFISNGPKDVTWVQKLMAVESETTDYEGVVKLP									
QENAAAGTIVGVRVHARDPKDANSPTVYSDTIDRFTINDPDEGKFTKTKLDRRE									
TWMLNTIVVRAEIHNRHOAKPVYAIRVLDYNDWNPRAKPAFVYQKQFICEDSQTPLNSQ									
PVYTSADDKDTANGPREFSLPPEIIRNPNTVDRNDKNTGVAARGGFRQKQD									
LYLPRVVISQGIPMSSTWLTIVKQGDNVAGNLSNEAANLNLSTGALIAIL									
ACVILVIVVFLVFLRQKEPLVFEEDVQVNRQPARNSVDDIINTRQEADMDPAPYD									
NPDGNGFIRRKDRKPEYOMPRGICRPARNSVDDIINTRQEADMDPAPYD									
BASE COUNT	1059	a	846	c	883	g	873	t	
ORIGIN									
Query Match	100 %	Score 18	DB 9	Length 3661	FEATURES				
Best Local Similarity	100.0 %	Pred. No.	37	Matches	source				
18; Conservative	0	Mismatches	0	Indels					
Ov	1	GCGGCTGTAAACAGTA	18	Ov					
Db	471	GCGGCTGTAAACAGTA	454	Db					
RESULT 9				BASE COUNT	1074	a	856	c	
AR034822/c				ORIGIN	897	g	885	t	

source	1. 3914 /organism="Homo sapiens" /db_xref="taxon:9606"	AC068655 AC068655.2 GI:9235747 HTG; HTGS_PHASE2; HTGS_DRAFT.
BASE COUNT	1110 a 916 c 944 g 944 t	1 (bases 1 to 18894) Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. Homo sapiens.
ORIGIN		Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. Homo sapiens.
QY	1 GCGGGCTGTAAACAGTA 18 2 (bases 1 to 18894)	Sequencing of Human Chromosome 16 Unpublished
Db	520 GCGGGCTGTAAACAGTA 503 2 (bases 1 to 18894)	2 (bases 1 to 18894) DOE Joint Genome Institute.
RESULT 14		DOE Joint Submission
AC010533	AC010533 Homo sapiens chromosome 16 clone RP11-22903, complete sequence.	Submitted (06-MAY-2000) Production Sequencing Facility, DOE Joint Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA
DEFINITION	153588 bp DNA linear	On Jul 20, 2000 this sequence version replaced gi:7712105.
SESSION	PRI 28-NOV-2000	Center: Joint Genome Institute
LASTON	AC010533.6 GI:11386272	Center Code: JGI
KEYWORDS	HTG	Web site: http://www.jgi.doe.gov
SOURCE	Homo sapiens.	Project Information
ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. Homo sapiens.	Center Project Name: 1258011 Center clone name: CIT978SKA_186A5
REFERENCE		-----
AUTHORS	1 (bases 1 to 153588)	Summary Statistics
TITLE	DOE Joint Genome Institute and Stanford Human Genome Center.	Consensus quality: 177277 bases at least 040
JOURNAL	Unpublished	Consensus quality: 185750 bases at least 030
REFERENCE	2 (bases 1 to 153588)	Consensus quality: 187169 bases at least 020
AUTHORS	DOE Joint Genome Institute.	Estimated insert size: 17180; agarose-fp estimation
TITLE	Direct Submission	Estimated insert size: 18884; sum-of-contigs estimation
JOURNAL		Quality coverage: 7.12 in 020 bases; agarose-fp estimation
REFERENCE	3 (bases 1 to 153588)	Quality coverage: 6.48 in 020 bases; sum-of-contigs estimation.
AUTHORS	DOE Joint Genome Institute and Stanford Human Genome Center.	* NOTE: This is a 'working draft' sequence. It currently
TITLE	Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA	* consists of 22 contigs. Gaps between the contigs
JOURNAL	Submitted (15-SEP-1999) Production Sequencing Facility, DOE Joint Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA	* are represented as runs of N. The order of the pieces
COMMENT	On Nov 28, 2000 this sequence version replaced gi:9256236.	* is believed to be correct as given, however the sizes
	Draft Sequence Produced by DOE Joint Genome Institute www.jgi.doe.gov	* of the gaps between them are based on estimates that have
	Finishing Completed at Stanford Human Genome Center www-shgc.stanford.edu	* provided by the submittor.
	Quality: Phrap Quality >=40 99.9% of Sequence;	* this sequence will be replaced
	Estimated Total Number of Errors is 0.5.	* by the finished sequence as soon as it is available and
	SIS Content:	* the accession number will be preserved.
	WI-9802 G05424	1 1851: contig of 1851 bp in length
	WI-2756 G03521	1851: gap of unknown length
FEATURES	Location/Qualifiers	1852 1951: contig of 1980 bp in length
source	1. 153588 /organism="Homo sapiens" /db_xref="taxon:9606"	1952 3931: gap of unknown length
	/clone="RP11-22903" /chromosome="16"	3932 4031: gap of 4494 bp in length
		4032 8525: contig of 4494 bp in length
		8526 8625: gap of unknown length
		8626 13025 1314: contig of 4399 bp in length
		13025 1314: gap of unknown length
		13125 1419: contig of 1035 bp in length
		14160 1429: gap of unknown length
		14260 15936: contig of 1677 bp in length
		15937 1606: gap of unknown length
		1606: contig of 173 bp in length
		16037 17771 1780: gap of unknown length
		17771 1848: contig of 588 bp in length
		17871 1848: contig of 588 bp in length
		18459 18559 34459: gap of unknown length
		18559 34459: contig of 15901 bp in length
		34460 34559: gap of unknown length
		34460 35533: contig of 974 bp in length
		35533 35633: gap of unknown length
		35633 35934 35249: contig of 17616 bp in length
		35934 35349: gap of unknown length
		35350 53598: contig of 2029 bp in length
		53598 55979 56078: gap of unknown length
		55979 85774: contig of 29696 bp in length
		85774 85875: gap of unknown length
		85875 86633: contig of 759 bp in length
		86633 86734 86734 94931: gap of unknown length
		94931: contig of 8198 bp in length
RESULT 15		95031: gap of unknown length
AC068656		
LOCUS	AC068656 Homo sapiens chromosome 16 clone CTA-186A5, WORKING DRAFT SEQUENCE,	
DEFINITION	22 ordered pieces.	

FEATURES
 source
 LocationQualifiers
 1. 189894
 /organism="Homo sapiens"
 /db_xref="taxon:9606"
 /clone="CTA-186A5"
 /clone_11b="caltech human BAC library A"
 USE COUNT
 59539 a 37380 c 36768 g 54101 t 2106 others
 RGIN

Query Match 100.0%: Score 18; DB 2; Length 189894;
 Best Local Similarity 100.0%; Pred. No. 11;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 GGGGCTTGTAAACAGTA 18
 Db 81209 GGGGCTTGTAAACAGTA 81226

Search completed: June 22, 2003, 08:44:00
 Job time : 1921 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using SW model
Run on: June 22, 2003, 08:03:44 ; Search time 236 Seconds
(without alignments)

171.763 Million cell updates/sec
Searched: 2185239 seqs, 1125999159 residues
Total number of hits satisfying chosen parameters: 4370478

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Listing first 45 summaries
Database : N_Geneseq_101022:*

1: /SIDS2/gcadata/geneseq/geneseq-emb1/NA1980.DAT: *
2: /SIDS2/gcadata/geneseq/geneseq-emb1/NA1981.DAT: *
3: /SIDS2/gcadata/geneseq/geneseq-emb1/NA1982.DAT: *
4: /SIDS2/gcadata/geneseq/geneseq-emb1/NA1983.DAT: *
5: /SIDS2/gcadata/geneseq/geneseq-emb1/NA1984.DAT: *
6: /SIDS2/gcadata/geneseq/geneseq-emb1/NA1985.DAT: *
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22: /SIDS2/gcadata/geneseq/geneseq-emb1/NA2001A.DAT: *
23: /SIDS2/gcadata/geneseq/geneseq-emb1/NA2001B.DAT: *
24: /SIDS2/gcadata/geneseq/geneseq-emb1/NA2002.DAT: *

RESULT 1
ID AA53556
ID AA53556 standard; DNA; 18 BP.
AC AA53556;
XX DT 22-Nov-2000 (first entry)
XX DE Human cadherin-11 antisense oligonucleotide OB-1.
XX KW Human; cadherin-11; cad-11; cell differentiation; pregnancy termination; carcinoma; antisense oligonucleotide; ss.
XX OS Homo sapiens.
XX PN WO00026236-A2.
XX PD 11-MAY-2000.
XX PF 29-OCT-1999; 9900-CA01057.
XX PR 30-OCT-1998; 9800-0106258.
XX PA (UYBR-) UNTV BRITISH COLUMBIA.
XX PI MacCallum CB;
XX DR WPI; 2000-365568/31.

Sequence of murine mouse ischaemic co EST clone AX339.
S. epidermidis Ope Human colon cancer Human CDNA clone (Human CDNA 5'-end Human cDNA clone r Human CDNA sequence Human full-length Human bromo-functi phosphatidylinosit Human Polynucleotri S. epidermidis gen Human CDNA encodin Bacillus clausii g Human ORF Polynu Human Spliced tran Arabidopsis thalia Neisseria gonorrhoe Brasilia napus BWW Drosophila melanog Drosophila melanog Human influenza A/Udorn/ Arabidopsis thalia Neisseria gonorrhoe Neisseria meningit Neisseria meningit Arabidopsis thalia N. meningitidis pa N. meningitidis B Human ovarian canc Human P2Y-11-like GPC Human nervous syst Arabidopsis thalia Human CDNA diffe Neisseria meningit N. meningitidis B Human P2Y-11-like GPC Human nervous syst

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query length	DB ID	Description
1	18	100.0	18 21 AA53556	Human cadherin-11
2	18	100.0	2625 18 AA5403	Human cadherin-11
3	18	100.0	2625 18 AA761925	Full length human Cadherin-11 cDNA.
4	18	100.0	2625 20 AA783124	Cadherin-11 cDNA.
5	18	100.0	2625 22 AA55586	Nucleotide sequence of human
6	18	100.0	3712 15 AA044392	Sequence of human
7	18	100.0	3867 24 AB035485	Human endometrial
8	18	100.0	3914 15 AA044393	Sequence of human
9	16.4	91.1	3489 22 AA59534	CDNA encoding a mo

XX

PS claim 11; Page 22; 37pp; English.

CC

XX cadherin. The cadherin proteins may be isolated by using anti-cadherin antibodies. These antibodies may also be used to modulate the activity of cadherin and to determine the tissue specific distribution of cadherin proteins. Each subclass of cadherins has a unique tissue distribution pattern.

CC

CC The present sequence is an antisense oligonucleotide for the human cadherin-11 (cdh-11) mRNA. It can be used to reduce the levels of cad-11 expression in cells, which is useful in the treatment of carcinomas, particularly prostate tumour cells, for modulating the differentiation of cells, and in the prevention or termination of pregnancy. It is particularly useful for preventing metastasis of tumour cells.

CC

XX Sequence 18 BP; 5 A; 3 C; 6 G; 4 T; 0 other;

SO

Query Match 100.0%; Score 18; DB 21; Length 18;

CC

XX Best Local Similarity 100.0%; Pred. No. 2; Mismatches 0; Indels 0; Gaps 0;

QY

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

Db

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

SO

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

QY

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

Db

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

QY

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

Db

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

SO

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

QY

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

Db

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

SO

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

QY

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

Db

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

SO

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

QY

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

Db

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

SO

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

QY

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

Db

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

SO

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

QY

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

Db

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

SO

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

QY

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

Db

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

SO

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

QY

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

Db

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

SO

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

QY

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

Db

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

SO

Query Match 100.0%; Score 18; DB 18; Length 2625;

CC

XX Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;

PS Example 2; column 87-90; 56pp; English.

CC This sequence encodes human cadherin-11. The invention specifically provides details of human cadherin-11. Cadherins are calcium-dependent cell adhesion proteins. They are glycosylated integral membrane proteins that have an N-terminal extracellular domain that determines binding specificity, a hydrophobic membrane spanning region and a C-terminal cytoplasmic domain, which is highly conserved among members of the superfamily. The C-terminal domain interacts with the cytoskeleton through easterens and other cytoskeleton-associated proteins. The novel cadherin proteins may be used in the analysis of the role of cadherins in various cancers. Sequence analysis of the cadherin proteins also allows investigation of the structure and function of

QY 1 GGCGGCTTGTAAACAGTA 18
 |||||||
 ID AAF55586 standard; DNA; 2625 BP.
 Db 185 GGCGCTTGTAAACAGTA 168

RESULT 4
 AAV83124/C
 ID AAV83124 standard; cDNA; 2625 BP.
 XX
 AC AAV83124;
 XX
 DT 02-MAR-1999 (first entry)
 XX
 DE Cadherin-11 cDNA.
 XX
 KW Cadherin; morphogenesis; calcium-dependent cell adhesion; pregnancy; endometrium; trophectoderm; blastocyst; infertility; ss.
 XX
 OS Homo sapiens.
 XX
 Key Location/Qualifiers
 CDS 155..2516
 FT /*tag=a
 /product= Cadherin-11
 XX
 PN WO9849560-A1.
 XX
 PD 05-NOV-1998.
 XX
 PR 24-APR-1998; 98W0-CA00397.
 XX
 PA (UBR-) UNIV BRITISH COLUMBIA.
 XX
 PI MacCallum CD, Stephenson MD;
 XX
 PT WPI; 1999-024071/02.
 DR P-PSDB; AAW85598.
 XX
 PT Assessing likelihood of successful pregnancy by measuring levels of
 PT cadherin-11 in endometrium - also diagnosis of infertility from low
 PT progesterin or cadherin-encoding DNA
 XX
 PS Claim 7; Page 52-53; 63pp; English.
 XX
 CC The likelihood of establishing and maintaining a pregnancy, blastocyst
 CC implantation or endometrial receptivity are determined by measuring the
 PT level of cadherin-11 mRNA or protein in endometrial cells. A level below
 PT a standard value indicates inability to establish or maintain pregnancy.
 CC Women who are identified as having low level expression of
 CC cadherin-11 in endometrial cells can then be treated with a genetic
 CC construct comprising the cadherin-11 cDNA. The expression of
 CC cadherin-11 from the construct increases fertility and lessens the
 CC likelihood of miscarriage. Cadherin-11 expression is a better predictor of endometrial response
 CC and receptiveness than conventional analysis of endometrial cell
 morphology.
 XX
 Sequence 2625 BP; 730 A; 661 C; 675 G; 559 T; 0 other;
 SQ Query Match 100.0%; Score 18; DB 20; Length 2625;
 Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 GGCGGCTTGTAAACAGTA 18
 |||||||
 Db 185 GGCGCTTGTAAACAGTA 168

RESULT 5
 AAF55586/c

QY 1 GGCGGCTTGTAAACAGTA 18
 |||||||
 ID AAF55586 standard; DNA; 2625 BP.
 XX
 AC AAF55586;
 XX
 DT 29-MAY-2001 (first entry)
 XX
 DE Nucleotide sequence of a human cadherin-11 polypeptide.
 XX
 KW Human; cadherin-11; inflammatory joint disorder; chronic synovitis;
 KW autoimmune disorder; rheumatoid arthritis; arthritis; ss.
 XX
 OS Homo sapiens.
 XX
 Key Location/Qualifiers
 CDS 156..2516
 FT /*tag=a
 /product= "cadherin-11"
 XX
 PN WO20011/557-A1.
 XX
 PD 15-MAR-2001.
 XX
 PR 01-SEP-2000; 2000W0-US241101.
 XX
 PR 03-SEP-1999; 99US-0152456.
 XX
 PR 13-SEP-1999; 99US-0153490.
 XX
 PA (BGHM) BRIGHAM & WOMENS HOSPITAL INC.
 XX
 PI Brenner MB, Valencia X.
 XX
 DR WPI; 2001-235163/24.
 DR P-PSDB; AAB67624.
 XX
 PT Treating inflammatory joint disorders, e.g. chronic synovitis,
 PT autoimmune disorders and rheumatoid arthritis, comprising administering
 PT a cadherin-11 inhibitor that inhibits the binding of cadherin-11 to its
 PT counter receptor.
 XX
 PS Disclosure; Page 78-82; 89pp; English.
 XX
 CC The present sequence encodes a human cadherin-11 polypeptide.
 CC Cadherin-11 is a transmembrane molecule that, inter alia, mediates
 CC binding of cells to each other through interaction with itself or its
 CC counter-receptors. Agents which inhibit cadherin-11, or which inhibit
 CC the binding of cadherin-11 to a cadherin-11 counter receptor are used
 CC to treat a subject having an inflammatory joint disorder. The method is
 CC useful for treating inflammatory joint disorders, e.g. chronic synovitis,
 CC autoimmune disorders, rheumatoid arthritis, Lyme disease arthritis,
 CC arthritis associated with inflammatory bowel disease or with ankylosing
 CC spondylitis, Reiter's syndrome, or arthritis associated with systemic
 CC lupus erythematosus. The method may also be used for the rational drug
 CC design of new agents capable of modulating an immune system response.
 CC The nucleotide and amino acid sequences of cadherin-11 modulating agents
 CC may be used in computer-based modelling systems to predict the secondary
 CC and tertiary structure of the extracellular domain, and to target a
 CC toxin or a detectable agent to cells which express cadherin-11
 CC counter receptors or cadherin-11. The antibodies inhibiting the binding
 CC of cadherin-11 to its counter receptor may be used in screening assays
 CC for identifying pharmaceutical lead compounds in molecular libraries.
 XX
 Sequence 2625 BP; 730 A; 661 C; 675 G; 559 T; 0 other;
 SQ Query Match 100.0%; Score 18; DB 22; Length 2625;
 Best Local Similarity 100.0%; Pred. No. 3.4; Mismatches 0; Indels 0; Gaps 0;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 GGCGGCTTGTAAACAGTA 18
 |||||||
 Db 185 GGCGCTTGTAAACAGTA 168

AAQ44392/c
 ID AAQ44392 standard; cDNA to mRNA; 3712 BP.
 XX
 AC AAQ44392;
 XX
 DT 14-SEP-1994 (first entry)
 XX
 DE Sequence of human OSF-4-1 cDNA.
 XX
 KW Human; ds; gene; endometrial cancer; differential expression;
 XX
 KW DNA microarray; protein microarray.
 XX
 OS Homo sapiens.
 XX
 PR 461..2851
 FT /*tag= a
 XX
 KW OSF-4-1; cadherin; growth factor; osteogenesis; osteoblast; therapy;
 XX
 KW diagnosis; ss.
 XX
 OS Homo sapiens.
 XX
 FH Location/Qualifiers
 Key
 CDS
 FT 461..2851
 PR /*tag= a
 XX
 PN EP585801-A.
 PR 09-MAR-1994.
 XX
 PR 25-AUG-1993; 93EP-0113602.
 XX
 PR 28-AUG-1992; 92JP-0230028.
 XX
 PA (FARH) ROECHST JAPAN LTD.
 XX
 PI Amann E, Kawai S, Okazaki M, Takeshita S, Tsujimura A;
 XX
 DR WPI: 1994-076152/10.
 DR P-PSDB; AAR49731.
 XX
 PR New bone related, cadherin-like OSF-4 proteins - for treatment
 PT and diagnosis of bone metabolic disease, and nucleic acid
 PT encoding them
 XX
 PS Claim 3; Page 18-22; 34pp; English.
 XX
 CC The invention relates to diagnosing endometrial cancer in a subject
 CC suspected of having endometrial cancer comprising determining the
 CC expression of a set of nucleic acid molecules or expression products in
 CC an endometrial sample suspected of being cancerous, where the set of
 CC nucleic acid molecules comprises at least 2 nucleic acid molecules
 CC selected from 50 fully defined sequences as given in the specification.
 CC The nucleic acids are used as an array of at least 2 of the 50
 CC nucleic acids bound to a solid substrate. Also included is a solid-phase
 CC protein microarray comprising at least 2 antibodies or its antigen
 CC binding fragments, that specifically bind at least 2 different
 CC polypeptides from the 50 fully defined sequences as given in the
 CC specification, fixed to a solid substrate. The methods and arrays are
 CC useful for the diagnosis of endometrial cancer, selecting and monitoring
 CC treatment regimes and identification of lead compounds useful for the
 CC treatment of endometrial cancer. The present sequence is one of 50
 CC genes differentially expressed between cancerous and non-cancerous
 CC samples.
 XX
 SQ Sequence 3867 BP; 1098 A; 905 C; 932 G; 932 T; 0 other;
 CC Query Match 100.0%; Score 18; DB 15; Length 3712;
 CC Best Local Similarity 100.0%; Pred. No. 3 5; Mismatches 0;
 CC Matches 18; Conservative 0; Indels 0; Gaps 0;
 CC Qy 1 GGGGCTCTTAAACAGTA 18
 CC Sq 1 GGGGCTCTTAAACAGTA 18
 CC Db 506 GGGGCTCTTAAACAGTA 489
 XX
 RESULT 7
 Query Match 100.0%; Score 18; DB 15; Length 3712;
 Best Local Similarity 100.0%; Pred. No. 3 5; Mismatches 0;
 Matches 18; Conservative 0; Indels 0; Gaps 0;
 Qy 1 GGGGCTCTTAAACAGTA 18
 Sq 1 GGGGCTCTTAAACAGTA 18
 CC Db 506 GGGGCTCTTAAACAGTA 489
 XX
 RESULT 8
 Query Match 100.0%; Score 18; DB 24; Length 3867;
 Best Local Similarity 100.0%; Pred. No. 3 5; Mismatches 0;
 Matches 18; Conservative 0; Indels 0; Gaps 0;
 Qy 1 GGGGCTCTTAAACAGTA 18
 Sq 1 GGGGCTCTTAAACAGTA 18
 CC Db 506 GGGGCTCTTAAACAGTA 489
 XX
 RESULT 9
 Query Match 100.0%; Score 18; DB 24; Length 3914 BP.
 Best Local Similarity 100.0%; Pred. No. 3 5; Mismatches 0;
 Matches 18; Conservative 0; Indels 0; Gaps 0;
 Qy 1 GGGGCTCTTAAACAGTA 18
 Sq 1 GGGGCTCTTAAACAGTA 18
 CC Db 506 GGGGCTCTTAAACAGTA 489
 XX
 DE Sequence of human OSF-4-2 cDNA.
 XX
 KW OSF-4-2; cadherin; growth factor; osteogenesis; osteoblast; therapy;
 XX
 KW diagnosis; ss.
 XX
 OS Homo sapiens.
 XX
 PR 31-JUL-2001; 2001WO-US24104.
 XX
 PR 31-JUL-2000; 2000US-221735P.
 XX
 PA (BGHM) BRIGHAM & WOMENS HOSPITAL INC.
 PR 07-FEB-2002.
 XX
 PR WO200209573-A2.
 XX
 PA (BGHM) BRIGHAM & WOMENS HOSPITAL INC.
 PR 31-JUL-2001; 2001WO-US24104.
 XX
 PR 31-JUL-2000; 2000US-221735P.
 XX
 PA (BGHM) BRIGHAM & WOMENS HOSPITAL INC.
 PR 07-FEB-2002.
 XX
 PR WPI: 2002-179967/23.
 XX
 PR P-PSDB; AAU84265.
 XX
 PT Diagnosing endometrial cancer comprises determining expression of
 PT nucleic acid molecules or expression products that are differentially
 PT expressed in normal and malignant endometrium -
 XX
 PS Claim 1; Page 45-47; 233pp; English.
 XX
 CC The invention relates to diagnosing endometrial cancer in a subject
 CC suspected of having endometrial cancer comprising determining the
 CC expression of a set of nucleic acid molecules or expression products in
 CC an endometrial sample suspected of being cancerous, where the set of
 CC nucleic acid molecules comprises at least 2 nucleic acid molecules
 CC selected from 50 fully defined sequences as given in the specification.
 CC The nucleic acids are used as an array of at least 2 of the 50
 CC nucleic acids bound to a solid substrate. Also included is a solid-phase
 CC protein microarray comprising at least 2 antibodies or its antigen
 CC binding fragments, that specifically bind at least 2 different
 CC polypeptides from the 50 fully defined sequences as given in the
 CC specification, fixed to a solid substrate. The methods and arrays are
 CC useful for the diagnosis of endometrial cancer, selecting and monitoring
 CC treatment regimes and identification of lead compounds useful for the
 CC treatment of endometrial cancer. The present sequence is one of 50
 CC genes differentially expressed between cancerous and non-cancerous
 CC samples.
 XX
 SQ Sequence 3867 BP; 1098 A; 905 C; 932 G; 932 T; 0 other;
 CC Query Match 100.0%; Score 18; DB 24; Length 3867;
 CC Best Local Similarity 100.0%; Pred. No. 3 5; Mismatches 0;
 CC Matches 18; Conservative 0; Indels 0; Gaps 0;
 CC Qy 1 GGGGCTCTTAAACAGTA 18
 CC Sq 1 GGGGCTCTTAAACAGTA 18
 CC Db 506 GGGGCTCTTAAACAGTA 489
 XX
 RESULT 10
 Query Match 100.0%; Score 18; DB 24; Length 3914 BP.
 Best Local Similarity 100.0%; Pred. No. 3 5; Mismatches 0;
 Matches 18; Conservative 0; Indels 0; Gaps 0;
 Qy 1 GGGGCTCTTAAACAGTA 18
 Sq 1 GGGGCTCTTAAACAGTA 18
 CC Db 506 GGGGCTCTTAAACAGTA 489
 XX
 DE Sequence of human OSF-4-2 cDNA.
 XX
 KW OSF-4-2; cadherin; growth factor; osteogenesis; osteoblast; therapy;
 XX
 KW diagnosis; ss.
 XX
 OS Homo sapiens.
 XX
 PR 08-MAY-2002 (first entry)

Key	Location/Qualifiers
FT	491..2569
CDS	/*tag=a
XX	WO200100235-A1.
FT	04-JAN-2001.
XX	PD
EP585801-A.	XX
XX	09-MAR-1994.
XX	25-AUG-1993; 93EP-0113602.
XX	29-JUN-2000; 2000WO-US17927.
XX	PR
XX	29-JUN-1999; 99US-0342426.
XX	PA
XX	(UWMC-) UNIV MCGILL.
PR	PA
XX	(CAPR-) CAPTRON PHARM INC.
PA	XX
(FARTH) HOECHST JAPAN LTD.	PT
XX	PI
XX	Amann E, Kawai S, Okazaki M, Takeshita S, Tsujimura A;
XX	WPI; 1994-076152/10.
XX	P-PSDB; AAB4932.
XX	New bone related, cadherin-like OSF-4 proteins - for treatment and diagnosis of bone metabolic disease, and nucleic acid encoding them
XX	PS
XX	Claim 3; Page 23-27; 34pp; English.
XX	CC
CC	CDNA libraries were constructed from the mouse osteoblastic cell line MC3T3-EL and from mouse liver tissue, amplified by PCR, and then as much common DNA as possible removed by hybridisation between the 2 libraries. Residual EL-specific DNA was amplified, inserted into lambda gtl10 and screened by Blaize hybridisation. A minibank of 273 E-specific clones was recovered, their inserts amplified and used to screen total RNA from both cell types. One clone specific for EL was identified and sequenced. The insert from this clone was used to screen cDNA prep. from EL RNA and the longest posn. Insert cloned in pGEM 11zf (+) to give pGEM164. This insert was sequenced; it encoded the 795 AA mouse precursor protein (AAQ44391/R49730). The insert was also used to screen a cDNA bank prep. from human osteosarcoma to identify 2 clones encoding the 2 human precursor proteins - OSF-4-1 and OSF-4-2 (AAQ44392/R49731 and AAQ44393/R49732 respectively).
CC	SQ
CC	Sequence 3914 BP; 1105 A; 920 C; 947 G; 942 T; 0 other;
CC	Query Match 100.0%; Score 18; DB 15; Length 3914; Best Local Similarity 100.0%; Pred. No. 3.5; 0; Mismatches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
CC	1 GGCAGCTGAAACGTA 18 520 GGCAGCTGAAACGTA 503
XX	RESULT 9
XX	AAFF59534/C
XX	AAFF59534 standard; cDNA: 3489 BP.
XX	ID AAFF59534
XX	AC
XX	AAFF59534;
XX	DT 24-APR-2001 (first entry)
XX	DE
XX	CDNA encoding a mouse PrP-binding protein, OB-cadherin-1.
XX	Mouse OB-cadherin-1; murine; Prion protein binding protein; PrPBP; detectable PrP fusion protein; detection; diagnosis; B lymphocyte; PrP-Sc-associated disorder; prion disease; Creutzfeldt-Jakob disease; CJD; Kuru; fatal familial insomnia; scrapie; BSE; bovine spongiform encephalopathy; PrP-C-associated disorder; cancer; neurodegenerative disorder; immunological disorder; abnormal immunoglobulin secretion; lymphoma; multiple myeloma; monoclonal gammopathy; B cell-related autoimmune disease; myasthenia gravis; rheumatoid arthritis; ss.
XX	OS
XX	Mus musculus.
XX	Sequence 3489 BP; 1053 A; 763 C; 791 G; 882 T; 0 other;
XX	Query Match 91.1%; Score 16.4; DB 22; Length 3489; Best Local Similarity 94.4%; Pred. No. 27; Mismatches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX	1 GGGGAGCTGAAACGTA 18 Db 299 GGCAGCTGAAACGTA 282

RESULT 10
 AAQ44391/C
 ID AAQ44391 standard; cDNA to mRNA; 3581 BP.
 XX
 AC
 XX
 DT 14-SEP-1994 (first entry)
 DE Sequence of murine OSF-4 cDNA.
 XX
 KW OSF-4; cadherin; growth factor; osteogenesis; osteoblast; therapy;
 KW diagnosis; ss.
 XX
 OS Mus musculus.
 XX
 PH Key Location/Qualifiers
 PT CDS 284..2671 /*tag a
 XX
 PR 09-MAR-1994.
 XX
 PT 25-AUG-1993; 93EP-0113602.
 XX
 PR 28-AUG-1992; 92JP-0230028.
 XX
 PA (FARH) HOECHST JAPAN LTD.
 XX
 PI Amann E, Kawai S, Okazaki M, Takeshita S, Tsujimura A;
 XX
 DR WPI; 1994-076152/10.
 DR P-PSDB; RAR49730.
 XX
 PT New bone related, cadherin-like OSF-4 proteins - for treatment
 and diagnosis of bone metabolic disease, and nucleic acid
 PT encoding them
 XX
 Claim 3; Page 13-17; 34pp; English.
 XX
 CC cDNA libraries were constructed from the mouse osteoblastic cell
 CC line MC3T3-El and from mouse liver tissue, amplified by PCR, and
 CC then as much common DNA as possible removed by hybridisation between
 CC the 2 libraries. Residual El-specific cDNA was amplified, inserted
 CC into lambda gt10 and screened by plaque hybridisation. A minibank of
 CC 273 E-specific clones was recovered, their inserts amplified and
 CC used to screen total RNA from both cell types. One clone specific
 CC for El was identified and sequenced. The insert from this clone was
 CC used to screen cDNA prep. from El RNA and the longest posn. insert
 CC cloned in pGEM 112f (+) to give pK0164. This insert was sequenced;
 CC it encoded the 795 AA mouse precursor protein (AAQ44391/R49730). The
 CC insert was also used to screen a cDNA bank prep. from human
 CC osteosarcoma to identify 2 clones encoding the 2 human precursor
 CC proteins - OSF-4-1 and OSF-4-2 (AAQ44392/R49731 and AAQ44393/R49732
 XX
 SQ Sequence 3581 BP; 1121 A; 774 C; 800 G; 886 T; 0 other;
 Query Match 91.1%; Score 16.4; DB 15; Length 3581;
 Best Local Similarity 94.4%; Pred. No. 27; Mismatches 0; Indels 1; Gaps 0;
 Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1 GCGGGCTTGTAAACAGTA 18
 Db 313 GGCAGCTTGTAAACAGTA 296
 XX
 RESULT 11
 ABI99752/C
 ID ABI99752 standard; cDNA; 4127 BP.
 XX
 AC ABI99752;
 XX
 OS Homo sapiens.

RESULT 12
 AAU86757/C
 ID AAU86757 standard; cDNA; 302 BP.
 XX
 AC AAU86757;
 XX
 DT 27-APR-1999 (first entry)
 XX
 DE EST clone AX309.
 XX
 KW Expressed sequence tag; secreted protein; haematopoiesis regulator;
 KW tissue growth; activin; inhibin; tumour invasion suppressor; EST; human;
 KW chemotaxis; chemokinesis; haemostasis; gene therapy; thrombolysis;
 KW receptor; ligand; anti-inflammatory; tumour inhibitor; ds.
 XX
 OS

PT tissues useful for determining the presence of colon cancer in a cell
PT or tissue type, and in antisense therapy

XX
PS Claim 1; Fig 1; 796pp; English.

CC AB056306 to AB060787 represent isolated nucleic acids (I) differentially
CC expressed in cancer tissues, AB78993 to AB79004 represent proteins
CC encoded by the AB060776 to AB060787 nucleic acid sequences. (I) can be
CC used in antisense therapy. An antibody immunoreactive with a polypeptide
CC encoded by (I) is useful for detecting cancer in a patient sample, and
CC for detecting the presence or absence of a polynucleotide encoded by a
CC nucleic acid which hybridises to (I) in a cell. A probe/primer derived
CC from (I) can be used for determining the presence of a nucleic acid which
CC hybridises to (I), and for determining the phenotype of cells in a sample
CC of cells from a patient. (I) is useful for determining the presence of
CC colon cancer in a cell or tissue type, for determining the presence or
CC state of other type of cancer, in antisense therapy, to generate
CC macroarrays on a solid surface, to identify a chromosome on which the
CC corresponding gene resides, and in tissue profiling, forensics, genetic
CC analyses, mapping and diagnostic applications. (I) can be used to raise
CC antibodies, and to screen for peptide analogues and antagonists.

XX Sequence 654 BP; 199 A; 122 C; 158 G; 168 T; 7 other;

SQ Query Match 85.6%; Score 15.4; DB 24; Length 654;
Best Local Similarity 94.1%; Pred. No. 83; Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGCAGCTTGTAAACAGT 17
Db 186 GGCGCTTGACAGT 202

RESULT 15

AAH03710
ID AAH03710 standard; cDNA; 808 BP.

AC AAH03710;

XX DT 26-JUN-2001 (first entry)

DE Human cDNA clone (5'-primer) SEQ ID NO:545.

XX Human; Primer; detection; diagnosis; antisense therapy; gene therapy; ss.

OS Homo sapiens.

XX EP1074617-A2.

DD 07-FEB-2001.

XX PF 28-JUL-2-2000; 2000BP-0116126.

XX PR 29-JUL-1999; 99JP-0248036.

XX PR 27-AUG-1999; 99JP-0300253.

XX PR 11-JAN-2000; 2000JP-0118776.

XX PR 02-MAY-2000; 2000JP-0183767.

XX PR 09-JUN-2000; 2000JP-0241899.

XX PA (HELI-) HELIX RES INST.

XX Ota T, Issgai T, Nishikawa T, Hayashi K, Saito K, Yamamoto J;
PI Ishii S, Sugiyama T, Wakamatsu A, Nagai K, Otsuki T;
XX DR WI; 2001-318749/34.

PT Primer sets for synthesizing polynucleotides, particularly the 5602
PT full-length cDNAs defined in the specification, and for the detection
PT and/or diagnosis of the abnormality of the proteins encoded by the
PT full-length cDNAs

XX PS Claim 1; SEQ ID 545; 2537pp + CD ROM; English.

CC The present invention describes primer sets for synthesising 5602
CC full-length cDNAs defined in the specification. Where a primer set
CC comprises: (a) an oligo-oligonucleotide primer and an oligonucleotide complementary
CC to the complementary strand of a polynucleotide which comprises one of
CC the 5602 nucleotide sequences defined in the specification, where the
CC oligonucleotide comprises at least 15 nucleotides; or (b) a combination
CC of an oligonucleotide comprising a sequence complementary to the
CC complementary strand of a polynucleotide which comprises a 5'-end
CC sequence and an oligonucleotide comprising a sequence complementary to a
CC polynucleotide which comprises a 3'-end sequence, where the the
CC oligonucleotide comprises at least 15 nucleotides and the combination of
CC the 5'-end sequence/3'-end sequence is selected from those defined in
CC the specification. The Primer sets can be used in antisense therapy and
CC gene therapy. The primers are useful for synthesising polynucleotides,
CC particularly full-length cDNAs. The primers are also useful for the
CC detection and/or diagnosis of the abnormality of the proteins encoded by
CC the full-length cDNAs. The primers allow obtaining of the full-length
CC cDNAs easily without any specialised methods. AAH03166 to AAH13628 and
CC AAH13633 to AAH18742 represent human cDNA sequences; AAB2446 to
CC AAB5893 represent human amino acid sequences; and AAH1629 to AAH13632
CC represent oligonucleotides, all of which are used in the exemplification
CC of the present invention.

XX Sequence 808 BP; 265 A; 149 C; 200 G; 191 T; 3 other;

SQ Query Match 85.6%; Score 15.4; DB 22; Length 808;
Best Local Similarity 94.1%; Pred. No. 85; Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGCAGCTTGTAAACAGT 17
Db 123 GGCGCTTGACAGT 139

Search completed: June 22, 2003, 08:11:48
Job time : 240 secs

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OM nucleic - nucleic search, using sw model
Run on: June 22, 2003, 08:06:44 ; Search time 49 Seconds
(without alignments)
112.657 Million cell updates/sec

Title: US-09-830-811-1
Perfect score: 18
Sequence: 1 ggcgcgttggtaaacagta 18
Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

-Database : Issued Patents_NA: *
1: /cgn2_5/ptodata/1/lna/5A_COMB.seq: *
2: /cgn2_5/ptodata/1/lna/5B_COMB.seq: *
3: /cgn2_6/ptodata/1/lna/6A_COMB.seq: *
4: /cgn2_6/ptodata/1/lna/6B_COMB.seq: *
5: /cgn2_6/ptodata/1/lna/PCNTUS_COMB.seq: *
6: /cgn2_6/ptodata/1/lna/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
c 1	18	100.0	2625	1 US-08-188-228-57	Sequence 57, Appl
c 2	18	100.0	2625	1 US-08-332-643-51	Sequence 51, Appl
c 3	18	100.0	2625	1 US-08-332-638-57	Sequence 57, Appl
c 4	18	100.0	3712	2 US-08-738-349-3	Sequence 3, Appl
c 5	18	100.0	3914	2 US-08-738-349-5	Sequence 5, Appl
c 6	16.4	91.1	3581	2 US-08-738-349-1	Sequence 1, Appl
c 7	15.4	85.6	1014	4 US-09-134-001C-370	Sequence 370, Appl
c 8	15.4	85.6	2307	3 US-08-942-008-1	Sequence 3, Appl
c 9	14.8	82.2	38584	4 US-09-453-702B-50	Sequence 50, Appl
c 10	13.8	76.7	336	2 US-08-606-293-3	Sequence 3, Appl
c 11	13.8	76.7	336	2 US-08-606-293-7	Sequence 7, Appl
c 12	13.8	76.7	1065	3 US-08-875-811-40	Sequence 40, Appl
c 13	13.8	76.7	1065	3 US-08-875-811-48	Sequence 48, Appl
c 14	13.8	76.7	1074	3 US-08-875-811-44	Sequence 1, Appl
c 15	13.8	76.7	1074	3 US-08-875-811-50	Sequence 50, Appl
c 16	13.8	76.7	1086	3 US-08-875-811-46	Sequence 46, Appl
c 17	13.8	76.7	1137	3 US-08-875-811-42	Sequence 42, Appl
c 18	13.8	76.7	1299	2 US-08-125-462-6	Sequence 6, Appl
c 19	13.8	76.7	1299	2 US-08-891-848-6	Sequence 6, Appl
c 20	13.8	76.7	1320	2 US-08-462-3	Sequence 44, Appl
c 21	13.8	76.7	1320	2 US-08-891-848-3	Sequence 50, Appl
c 22	13.8	76.7	2100	2 US-08-511-485-9	Sequence 46, Appl
c 23	13.8	76.7	2691	3 US-09-212-971-9	Sequence 42, Appl
c 24	13.8	76.7	2691	3 US-08-800-929A-9	Sequence 9, Appl
c 25	13.8	76.7	2691	4 US-09-617-053A-9	Sequence 9, Appl
c 26	13.8	76.7	6727	2 US-08-125-462-2	Sequence 2, Appl
c 27	13.8	76.7	6727	2 US-08-891-848-2	Sequence 2, Appl

RESULT 1
US-08-188-228-57/c
; Sequence 57, Application US/08188228
; Patent No. 5597725
; GENERAL INFORMATION:
; APPLICANT: SUZUKI, Shintaro
; TITLE OF INVENTION: CAHERIN MATERIALS AND METHODS
; NUMBER OF SEQUENCES: 62
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
; STREET: 6300 Sears Tower, 233 S. Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/188,228
; FILING DATE:
; CLASSIFICATION: 435
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/049,460
; FILING DATE: 19 APR 1993
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 07/872,643
; FILING DATE: 17 APR 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5597725and, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 31340
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 474-6300
; TELEFAX: (312) 474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 57:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2625 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-188-228-57

Query Match 100.0%; Score 18; DB 1; Length 2625;
Best Local Similarity 100.0%; Pred. No. 0.55;

Matches 18; conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCAGCTGAAACAGTA 18
 1|||||1|||||1 168
 Db 185 GGCAGCTGAAACAGTA 168

RESULT 2

US 08-312-643-51/C

; Sequence 51, Application US/08332643

; Patent No. 5639634

; GENERAL INFORMATION:

; APPLICANT: Suzuki, Shintaro

; TITLE OF INVENTION: CADHERIN MATERIALS AND METHODS

; NUMBER OF SEQUENCES: 56

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &

; STREET: Two First National Plaza, 20 South Clark

; CITY: Chicago

; STATE: Illinois

; COUNTRY: USA

; ZIP: 60606

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/332,638

; FILING DATE: 01-NOV-1994

; CLASSIFICATION: 435

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: US 07/872,643

; FILING DATE: 17 APR 1992

; ATTORNEY/AGENT INFORMATION:

; NAME: No. 5646250and, Greta E.

; REFERENCE/DOCKET NUMBER: 31340

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (312) 474-6300

; TELEFAX: (312) 474-0448

; INFORMATION FOR SEQ ID NO: 57:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 2625 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; US-08-312-638-57

; Query Match

; Best Local Similarity

; Matches 18; Conservative

; Score 18; DB 1;

; Length 2625;

; Mismatches 0; Pred. No. 0.56;

; Indels 0; Gaps 0;

; US-08-332-643-51

; RESULT 4

; US-08-738-349-3/C

; Sequence 3, Application US/08738349

; Patent No. 5869638

; GENERAL INFORMATION:

; APPLICANT: Takeshita, Sunao

; APPLICANT: Okazaki, Makoto

; APPLICANT: Kawai, Shinji

; APPLICANT: Tsujimura, Atsushi

; APPLICANT: Amano, Egon

; TITLE OF INVENTION: Bone-Related Cadherin-Like Protein and

; NUMBER OF SEQUENCES: 12

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &

; ADDRESSEE: Dunner

; STREET: 1300 I Street, N.W.

; CITY: Washington

; STATE: D.C.

; COUNTRY: USA

; ZIP: 20005-3315

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/738,349

FILING DATE: 25-OCT-1996
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/364,439
 FILING DATE:
 APPLICATION NUMBER: US 08/112,061
 ATTORNEY/AGENT INFORMATION:
 NAME: Barker, M. P.
 REGISTRATION NUMBER: 32,013
 REFERENCE/DOCKET NUMBER: 02481.1323-00000
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-408-4000
 TELEFAX: 202-408-4400
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3914 base pairs
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 461..2848
 ; US-08-738-349-3

Query Match 100.0%; Score 18; DB:2; Length 3712;
 Best Local Similarity 100.0%; Pred. No. 0.58; Mismatches 0; Indels 0; Gaps 0;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 GGCAGCTTGTAAACAGTA 18
 Db 490 GGCAGCTTGTAAACAGTA 473

RESULT 5
 US 08-738-349-5/c
 Sequence 5, Application US/08738349
 ; Patient No. 5869638
 GENERAL INFORMATION:
 APPLICANT: Takeshita, Sunao
 APPLICANT: Okazaki, Makoto
 APPLICANT: Kawai, Shinji
 APPLICANT: Tsujimura, Atsushi
 APPLICANT: Amann, Egon
 TITLE OF INVENTION: Bone-Related Cadherin-Like Protein and
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
 ADDRESSEE: Dunner
 STREET: 1300 I Street, N.W.
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20005-3315
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/738,349
 FILING DATE: 25-OCT-1996
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/364,439
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/364,439
 FILING DATE: 25-OCT-1996
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/112,061
 FILING DATE: 26-AUG-1993
 APPLICATION NUMBER: US 08/112,061
 FILING DATE: 26-AUG-1993

ATTORNEY/AGENT INFORMATION:
 NAME: Barker, M. P.
 REGISTRATION NUMBER: 32,013
 REFERENCE/DOCKET NUMBER: 02481.1323-00000
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-408-4000
 TELEFAX: 202-408-4400
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3914 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLogy: linear
 MOLECULE TYPE: cDNA to mRNA
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 TISSUE TYPE: Osteosarcoma
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 491..2569
 ; US-08-738-349-5

Query Match 100.0%; Score 18; DB:2; Length 3914;
 Best Local Similarity 100.0%; Pred. No. 0.58; Mismatches 0; Indels 0; Gaps 0;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 GGCAGCTTGTAAACAGTA 18
 Db 520 GGCAGCTTGTAAACAGTA 503

RESULT 6
 US-08-738-349-1/c
 Sequence 1, Application US/08738349
 Patient No. 5869638
 GENERAL INFORMATION:
 APPLICANT: Takeshita, Sunao
 APPLICANT: Okazaki, Makoto
 APPLICANT: Kawai, Shinji
 APPLICANT: Tsujimura, Atsushi
 APPLICANT: Amann, Egon
 TITLE OF INVENTION: Bone-Related Cadherin-Like Protein and
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
 ADDRESSEE: Dunner
 STREET: 1300 I Street, N.W.
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20005-3315
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/738,349
 FILING DATE: 25-OCT-1996
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/112,061
 FILING DATE: 26-AUG-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Barker, M. P.
 REGISTRATION NUMBER: 32,013
 REFERENCE/DOCKET NUMBER: 02481.1323-00000
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-408-4000
 TELEFAX: 202-408-4400
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3581 base pairs

TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA to mRNA
 ORIGINAL SOURCE:
 ORGANISM: *Mus musculus*
 STRAIN: osteoblastic cell line MC3T3EL
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 284..2671
 US-08-738-349-1

Query Match
 Best Local Similarity 91.1%; Score 16.4; DB 2; Length 3581;
 Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1 GGGGGCTGTAACAGTA 18
 Db 313 GGCAGCTTGACAGTA 296

RESULT 7
 US-09-134-001C-370/c
 Sequence 370, Application US/09134001C
 ; Patent No. 6380370
 ; GENERAL INFORMATION:
 ; APPLICANT: Lynd Doucette-Stamm et al
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCCUS
 ; FILE REFERENCE: GTC-007
 ; CURRENT APPLICATION NUMBER: US/09/134.001C
 ; CURRENT FILING DATE: 1998-03-13
 ; PRIOR APPLICATION NUMBER: US 60/064,964
 ; PRIOR FILING DATE: 1997-11-08
 ; PRIOR APPLICATION NUMBER: US 60/055,779
 ; PRIOR FILING DATE: 1997-08-14
 ; NUMBER OF SEQ ID NOS: 5674
 ; SEQ ID NO: 370
 ; LENGTH: 1014
 ; TYPE: DNA
 ; ORGANISM: *Staphylococcus epidermidis*
 ; US-09-134-001C-370

Query Match
 Best Local Similarity 85.6%; Score 15.4; DB 4; Length 1014;
 Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 2 GGGGGCTGTAACAGTA 18
 Db 692 GCGAGCTTGACAGTA 676

RESULT 8
 US-08-942-008-1
 ; Sequence 1, Application US/08942008
 ; Patent No. 6133419
 ; GENERAL INFORMATION:
 ; APPLICANT: Brasemann, Sylvia
 ; TITLE OF INVENTION: Nucleotide Sequences that Encode
 ; TITLE OF INVENTION: Phosphatidylinositol-3 Kinase Associated Proteins and
 ; NUMBER OF SEQUENCES: 2
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: ONX Pharmaceuticals, Inc.
 ; STREET: 3031 Research Drive
 ; CITY: Richmond
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94806

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch. 1.44Mb storage
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/453,702B
 FILING DATE: 03-Dec-1999
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/110,955
 FILING DATE: 04-Dec-1998
 ATTORNEY/AGENT INFORMATION:
 NAME: Seay, Nicholas J.
 REGISTRATION NUMBER: 27386
 REFERENCE/DOCKET NUMBER: 960296.95017
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (608) 251-5000
 TELEFAX: (608) 251-9166

RESULT 9
 US-08-942-008-1
 Query Match
 Best Local Similarity 85.6%; Score 15.4; DB 3; Length 2307;
 Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1 GGCAGCTTGACAGTA 17
 Db 1153 GGCAGCTTGACAGTA 1169

RESULT 9
 US-09-453-702B-50
 Sequence 50, Application US/09453702B
 ; Patent No. 6365723
 ; GENERAL INFORMATION:
 ; APPLICANT: Blattner, Frederick R.
 ; Perna, Valerie
 ; Pernar, Nicole T.
 ; Blattner, Guy
 ; Plunkett, Rod
 ; Welch, Rod
 ; TITLE OF INVENTION: No. 6365723el Sequences of *E. coli* 0157
 ; NUMBER OF SEQ ID NOS: 265
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Quarles & Brady
 ; STREET: 1 South Pinckney Street
 ; CITY: Madison
 ; STATE: WI
 ; COUNTRY: US
 ; ZIP: 53701-2113
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch. 1.44Mb storage
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/453,702B
 FILING DATE: 03-Dec-1999
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/110,955
 FILING DATE: 04-Dec-1998
 ATTORNEY/AGENT INFORMATION:
 NAME: Seay, Nicholas J.
 REGISTRATION NUMBER: 27386
 REFERENCE/DOCKET NUMBER: 960296.95017
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (608) 251-5000
 TELEFAX: (608) 251-9166

INFORMATION FOR SEQ ID NO: 50:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 38584
 TYPE: nucleic acid
 STRANDEDNESS: double
 MOLECULE TYPE: DNA (genomic)
 SEQUENCE DESCRIPTION: SEQ ID NO: 50:
 US-09-453-702B-50

Query Match 82.2%; Score 14.8; DB 4; Length 38584;
 Best Local Similarity 88.9%; Pred. No. 45; Mismatches 2;
 Matches 16; Conservative 0; Indels 0; Gaps 0;
 Qy 1 GGCAGCTTGTAAACAGTA 18
 Db 36134 GGCAGCATGAAACAGTA 36151

RESULT 10
 3-08-606-293-3
 Sequence 3 Application US/08606293
 PATENT NO. 5874082
 GENERAL INFORMATION:
 APPLICANT: de Boer, Mark
 TITLE OF INVENTION: Humanized Anti-CD40 Monoclonal Antibodies and Fragments Capable of Blocking B Cell Activation
 NUMBER OF SEQUENCES: 8
 CORRESPONDENCE ADDRESS:
 ADDRESS: CHIRON CORPORATION Intellectual Property - R440
 STREET: 4560 Horton Street, P.O. Box 8097
 CITY: Emeryville
 STATE: California
 COUNTRY: United States of America
 ZIP: 94662-8097

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patient Release #1.0, version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/606,293
 FILING DATE: 28-MAY-1993
 CLASIFICATION: 424
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/070,158
 FILING DATE: 28-MAY-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Saveride, Paul B.
 REGISTRATION NUMBER: 36,914
 REFERENCE/DOCKET NUMBER: 27527/33157

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (510) 601-2718
 TELEFAX: (510) 655-3542
 TELEX: n/a

INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 336 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 MOLECULE TYPE: Protein
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..336

RESULT 7
 US-08-606-293-7
 Query Match 76.7%; Score 13.8; DB 2; Length 336;
 Best Local Similarity 80.2%; Pred. No. 92; Mismatches 0;
 Matches 15; Conservative 0; Indels 0; Gaps 0;

Qy 2 GGGGGTTGTAAACAGTA 18
 Db 81 GAGCCTTGTAAACAGTA 97

GENERAL INFORMATION:
 APPLICANT: Rybak, Susanna M.
 APPLICANT: Newton, Dianne L.
 APPLICANT: Boque, Luis
 APPLICANT: Wodavore, Alexander
 TIME OF INVENTION: Recombinant Ribonuclease Proteins
 NUMBER OF SEQUENCES: 64
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Townsend and Townsend and Crew LLP

RESULT 12
 US 08-875-811-40/C
 Sequence 40 Application US/08875811
 PATENT NO. 6045793
 GENERAL INFORMATION:
 APPLICANT: Rybak, Susanna M.
 APPLICANT: Newton, Dianne L.
 APPLICANT: Boque, Luis
 APPLICANT: Wodavore, Alexander
 TIME OF INVENTION: Recombinant Ribonuclease Proteins
 NUMBER OF SEQUENCES: 64
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Townsend and Townsend and Crew LLP

Query Match 76.7%; Score 13.8; DB 2; Length 336;
 Best Local Similarity 88.2%; Pred. No. 92; Mismatches 0;
 Matches 15; Conservative 0; Indels 2; Indels 0; Gaps 0;
 Qy 2 GGGGGTTGTAAACAGTA 18
 Db 81 GAGCCTTGTAAACAGTA 97

Qy US-08-606-293-3
 Db 36134 GGCAGCATGAAACAGTA 36151

REGISTRATION NUMBER: 41,739
 REFERENCE/DOCKET NUMBER: 015280-244100US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 576-0200
 TELEFAX: (415) 576-0300
 INFORMATION FOR SEQ ID NO: 44:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1074 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 FEATURE: NAME/KEY: CDS
 LOCATION: 1..1074
 OTHER INFORMATION: /note- "MetSerOrnCA87FBEG"
 US-08-875-811-44
 Query Match 76.7%; Score 13.8; DB 3; Length 1074;
 Best Local Similarity 88.2%; Pred. No. 1.1e-02;
 Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Qy 2 GGGGCTGTAAACACTA 18
 ||||| ||||| ||||| |||||
 Db 907 GCGGGTGTAAATAGTA 891
 ||||| ||||| ||||| |||||
 RESULT 15
 US-08-875-811-50/c
 ; sequence 50; Application US/0875811
 Patent No. 6045793
 GENERAL INFORMATION:
 APPLICANT: Rybak, Susanna M.
 APPLICANT: Newton, Dianne L.
 APPLICANT: Boque, Luis
 APPLICANT: Wlodawer, Alexander
 TITLE OF INVENTION: Recombinant Ribonuclease Proteins
 NUMBER OF SEQUENCES: 64
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Townsend and Townsend and Crew LLP
 STREET: Two Embarcadero Center, Eighth Floor
 CITY: San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94111-3834
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/875,811
 FILING DATE: 19-FEB-1998
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: WO PCT/US97/02588
 FILING DATE: 19-FEB-1997
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 60/011,800
 FILING DATE: 21-FEB-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Paris, Susan K.
 REGISTRATION NUMBER: 41,739
 REFERENCE/DOCKET NUMBER: 015280-244100US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 576-0200
 TELEFAX: (415) 576-0300
 INFORMATION FOR SEQ ID NO: 50:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1074 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 FEATURE: NAME/KEY: CDS
 LOCATION: 1..1074
 OTHER INFORMATION: /note- "MetGluOnCFBEG"
 US-08-875-811-50
 Query Match 76.7%; Score 13.8; DB 3; Length 1074;
 Best Local Similarity 88.2%; Pred. No. 1.1e-02;
 Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Qy 2 GGGGCTGTAAACACTA 18
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 Db 907 GCGGGTGTAAATAGTA 891
 ||||| ||||| ||||| |||||
 Search completed: June 22, 2003, 09:14:29
 Job time: 51 secs

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OM nucleic - nucleic search, using sw model

Run on: June 22, 2003, 08:44:05 ; Search time 142 Seconds
(without alignments)
186.012 Million cell updates/sec

Title: US-09-830-811-1

Perfect score: 18

Sequence: 1 ggcgcttgtaacagta 18

Scoring table: IDENTITY-NUC

Gapop 10.0 , Gapext 1.0

Searched: 1042519 seqs, 733713590 residues

Total number of hits satisfying chosen parameters: 2085038

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications_NA:*

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2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*

3: /cgn2_6/ptodata/2/pubpna/us06_NEW_PUB.seq:*

4: /cgn2_6/ptodata/2/pubpna/us05_PUBCOMB.seq:*

5: /cgn2_6/ptodata/2/pubpna/us07_NEW_PUB.seq:*

6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:*

7: /cgn2_6/ptodata/2/pubpna/us08_NEW_PUB.seq:*

8: /cgn2_6/ptodata/2/pubpna/us09_PUBCOMB.seq:*

9: /cgn2_6/ptodata/2/pubpna/us09_NEW_PUB.seq:*

10: /cgn2_6/ptodata/2/pubpna/us10_PUBCOMB.seq:*

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12: /cgn2_6/ptodata/2/pubpna/us10_PUBCOMB.seq:*

13: /cgn2_6/ptodata/2/pubpna/us60_NEW_PUB.seq:*

14: /cgn2_6/ptodata/2/pubpna/us60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

RESULTS

Result No.	Score	Query Match Length	DB ID	Description
c 1	18	100 0	3403 12	US-10-044-090-597
c 2	18	100 0	3867 10	US-09-919-497-5
c 3	15 4	85 6	480 9	US-09-918-995-3236
c 4	15 4	85 6	7053 10	US-09-764-864-792
c 5	14 8	82 2	142 10	US-09-878-574-9162
c 6	14 8	82 2	207 10	US-09-878-574-12381
c 7	14 8	82 2	222 10	US-09-878-574-12500
c 8	14 8	82 2	249 10	US-09-878-574-11360
c 9	14 8	82 2	473 9	US-09-918-995-6494
c 10	14 8	82 2	648 10	US-09-974-300-5592
c 11	14 8	82 2	1347 9	US-09-938-842A-208
c 12	14 8	82 2	38584 9	US-10-114-170-50
c 13	14 4	80 0	229 10	US-09-878-574-8610
c 14	14 4	80 0	383 9	US-09-918-995-6494
c 15	14 4	80 0	1069 10	US-09-833-381-1732
c 16	14 4	80 0	2804 9	US-10-198-846-10399
c 17	14 4	80 0	4084 12	US-10-044-090-221
c 18	14 4	77 8	297 10	US-09-701-10153
c 19	77 8	312 10	US-09-923-876-3656	

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
c 1	18	100 0	3403 12	US-10-044-090-597
c 2	18	100 0	3867 10	US-09-919-497-5
c 3	15 4	85 6	480 9	US-09-918-995-3236
c 4	15 4	85 6	7053 10	US-09-764-864-792
c 5	14 8	82 2	142 10	US-09-878-574-9162
c 6	14 8	82 2	207 10	US-09-878-574-12381
c 7	14 8	82 2	222 10	US-09-878-574-12500
c 8	14 8	82 2	249 10	US-09-878-574-11360
c 9	14 8	82 2	473 9	US-09-918-995-6494
c 10	14 8	82 2	648 10	US-09-974-300-5592
c 11	14 8	82 2	1347 9	US-09-938-842A-208
c 12	14 8	82 2	38584 9	US-10-114-170-50
c 13	14 4	80 0	229 10	US-09-878-574-8610
c 14	14 4	80 0	383 9	US-09-918-995-6494
c 15	14 4	80 0	1069 10	US-09-833-381-1732
c 16	14 4	80 0	2804 9	US-10-198-846-10399
c 17	14 4	80 0	4084 12	US-10-044-090-221
c 18	14 4	77 8	297 10	US-09-701-10153
c 19	77 8	312 10	US-09-923-876-3656	

ALIGNMENTS

Query	Match	Length	DB	ID	Description
US-10-044-090-597/c	Sequence 597, Application US/10044090	18	Conservative	0	Pred. No. 2.4; 0; Mismatches 0; Indels 0; Gaps 0;
QY	1 GCGCGCTGTGAACTA	18			
Db	111111111111111111	189			

RESULT 2

Query	Match	Length	DB	ID	Description
US-09-919-497-5/c	Sequence 5, Application US/09919497	18	Conservative	0	Pred. No. 2.4; 0; Mismatches 0; Indels 0; Gaps 0;
QY	1 GCGCGCTGTGAACTA	18			
Db	111111111111111111	189			

GENERAL INFORMATION:

APPLICANT: Mutter, George L

TITLE OF INVENTION: PROGNOSTIC CLASSIFICATION OF ENDOMETRIAL CANCER

FILE REFERENCE: B0801/7225

CURRENT APPLICATION NUMBER: US/09/919,497

CURRENT FILING DATE: 2001-07-31

PRIOR APPLICATION NUMBER: US 60/221,735

PRIOR FILING DATE: 2000-07-31

SEQUENCE 43, APPL

SEQUENCE 16, APPL

SEQUENCE 15, APPL

SEQUENCE 1, APPL

SEQUENCE 791, APPL

SEQUENCE 6, APPL

SEQUENCE 1807, APPL

SEQUENCE 38, APPL

SEQUENCE 692, APPL

SEQUENCE 772, APPL

SEQUENCE 7, APPL

SEQUENCE 623, APPL

SEQUENCE 8123, APPL

SEQUENCE 4429, APPL

SEQUENCE 8488, APPL

SEQUENCE 40, APPL

SEQUENCE 9, APPL

SEQUENCE 9, APPL

SEQUENCE 8123, APPL

SEQUENCE 53, APPL

SEQUENCE 1315, APPL

SEQUENCE 10139, APPL

SEQUENCE 1315, APPL

SEQUENCE 10138, APPL

SEQUENCE 1313, APPL

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; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 3867
; LENGTH: 3867
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-919-497-5

Query Match          100.0%; Score 18; DB 10; Length 3867;
Best Local Similarity 100.0%; Pred. No. 2.5; 0; Mismatches 0;
Matches 18; Conservative 0; Indels 0; Gaps 0;

Qy      1 GCGGGCTGTAAACAGTA 18
Db      1193 GCGGGCTGTAAACAGTA 1209

RESULT 3
US-09-918-995-37236
Sequence 37236, Application US/09918995
Publication No. US20030073623A1
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc.

TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
FILE REFERENCE: 20411-756
CURRENT APPLICATION NUMBER: US/09/918, 995
CURRENT FILING DATE: 2001-07-30
PRIORITY APPLICATION NUMBER: US/09/235, 076
PRIORITY FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 37236
LENGTH: 480
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE: NAME/KEY: misc_feature
LOCATION: (1)..(480)
OTHER INFORMATION: n = A,T,C or G
US-09-918-995-37236

Query Match          85.6%; Score 15.4; DB 9; Length 480;
Best Local Similarity 94.1%; Pred. No. 53; Mismatches 1;
Matches 16; Conservative 0; Indels 0; Gaps 0;
Indels 0; Gaps 0;

Qy      1 GCGGGCTGTAAACAGT 17
Db      144 GCGGGCTGTAAACAGT 160

RESULT 4
US-09-918-864-792
Sequence 792, Application US/09764864
Patent No. US2002013753A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PT23
CURRENT APPLICATION NUMBER: US/09/764, 864
CURRENT FILING DATE: 2001-01-17
prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 1792
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 792
LENGTH: 7053
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE: NAME/KEY: SITE
LOCATION: (154)
OTHER INFORMATION: n equals a,t,g, or c
US-09-764-864-792

Query Match          82.2%; Score 14.8; DB 10; Length 207;
Best Local Similarity 88.9%; Pred. No. 1e+02; 2; Mismatches 2;
Matches 16; Conservative 0; Indels 0; Gaps 0;

Qy      1 GCGGGCTGTAAACAGTA 18
Db      143 GGTGGCTGTAAACAGGA 126

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RESULT 7
 US-09-878-574-12500/c
 Sequence 11500, Application US/09878574
 Patent No. US2002010548A1
 GENERAL INFORMATION:
 APPLICANT: Byrum, Joseph R.
 APPLICANT: La Rosa, Thomas J.
 TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
 TITLE OF INVENTION: Plants
 FILE REFERENCE: 38-21(15401)B
 CURRENT APPLICATION NUMBER: US/09/878,574
 CURRENT FILING DATE: 2001-12-21
 PRIORITY APPLICATION NUMBER: 09/333,535
 PRIORITY FILING DATE: 1999-06-14
 NUMBER OF SEQ ID NOS: 1575
 SEQ ID NO: 12500
 LENGTH: 222
 TYPE: DNA
 ORGANISM: Glycine max
 OTHER INFORMATION: Clone ID: 701065851H1
 US-09-878-574-12500

Query Match 82.2%; Score 14.8; DB 10; Length 222;
 Best Local Similarity 88.9%; Pred. No. 1e+02; 0; Mismatches 0; Indels 0; Gaps 0;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Qy 1 GGCAGCTTGTAAACAGTA 18
 Db 164 GGAGGCTTGTAAACAGGA 147

RESULT 8
 US-09-878-574-11388/c
 Sequence 11388, Application US/09878574
 Patent No. US2002010548A1
 GENERAL INFORMATION:
 APPLICANT: Byrum, Joseph R.
 APPLICANT: La Rosa, Thomas J.
 APPLICANT: Thompson, Michael D.
 TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
 TITLE OF INVENTION: Plants
 FILE REFERENCE: 38-21(15401)B
 CURRENT APPLICATION NUMBER: US/09/878,574
 CURRENT FILING DATE: 2001-12-21
 PRIORITY APPLICATION NUMBER: 09/333,535
 PRIORITY FILING DATE: 1999-06-14
 NUMBER OF SEQ ID NOS: 1575
 SEQ ID NO: 11388
 LENGTH: 249
 TYPE: DNA
 ORGANISM: Glycine max
 OTHER INFORMATION: Clone ID: 701064387H1
 US-09-878-574-11388

Query Match 82.2%; Score 14.8; DB 10; Length 249;
 Best Local Similarity 88.9%; Pred. No. 1.1e+02; 0; Mismatches 0; Indels 0; Gaps 0;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Qy 1 GGCAGCTTGTAAACAGTA 18
 Db 167 GGAGGCTTGTAAACAGGA 150

RESULT 9
 US-09-918-995-10360/c
 Sequence 10360, Application US/09918995
 Publication No. US20030073623A1
 GENERAL INFORMATION:
 APPLICANT: Hyseq, Inc.
 TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
 TITLE OF INVENTION: FROM VARIOUS cDNA LIBRARIES

RESULT 10
 US-09-914-300-5592
 Sequence 5592, Application US/09974300
 Patent No. US2002014672A1
 GENERAL INFORMATION:
 APPLICANT: Beria, Randy M.
 APPLICANT: Clausen, Ib Groth
 TITLE OF INVENTION: Methods For Monitoring Multiple Gene
 FILE REFERENCE: 10085,500-US
 CURRENT APPLICATION NUMBER: US/09/914,300
 CURRENT FILING DATE: 2001-10-05
 PRIORITY APPLICATION NUMBER: 09/680,598
 PRIORITY FILING DATE: 2000-10-06
 PRIORITY APPLICATION NUMBER: 60/279,526
 PRIORITY FILING DATE: 2001-03-27
 NUMBER OF SEQ ID NOS: 8481
 SOFTWARE: FastSBQ for Windows Version 4.0
 SEQ ID NO: 5592
 LENGTH: 648
 TYPE: DNA
 ORGANISM: Bacillus clausii
 US-09-914-300-5592

Query Match 82.2%; Score 14.8; DB 10; Length 648;
 Best Local Similarity 88.9%; Pred. No. 1.2e+02; 0; Mismatches 0; Indels 0; Gaps 0;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Qy 1 GGCAGCTTGTAAACAGTA 18
 Db 536 GGCGGCTTGAAAGTA 553

RESULT 11
 US-09-938-842A-208/c
 Sequence 208, Application US/0993884A
 Patent No. US2002160378A1
 GENERAL INFORMATION:
 APPLICANT: Harrier, Jeff
 APPLICANT: Kamps, Joel
 APPLICANT: Wang, Xun
 APPLICANT: Zhu, Tong
 TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
 TITLE OF INVENTION: SAME, AND METHODS OF USE
 FILE REFERENCE: SCRIP1300-3
 CURRENT APPLICATION NUMBER: US/09/938,842A
 CURRENT FILING DATE: 2001-08-24

PRIOR APPLICATION NUMBER: US 60/227,866
 PRIORITY FILING DATE: 2000-08-24
 PRIORITY APPLICATION NUMBER: US 60/264,647
 PRIORITY FILING DATE: 2001-01-16
 PRIORITY APPLICATION NUMBER: US 60/300,111
 PRIORITY FILING DATE: 2001-04-22
 NUMBER OF SEQ ID NOS: 5379
 SEQ ID NO: 208
 LENGTH: 1347
 TYPE: DNA
 ORGANISM: *Arabidopsis thaliana*
 US-09-938-842A-208

Query Match Best Local Similarity 82.2%; Score 14.8; DB 9; Length 1347;
 Best Local Similarity 88.9%; Pred. No. 1.4e+02; Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GGCAGCTGTAAACGTA 18
 1073 GGCAGCTGTAAACGGA 1056

RESULT 12
 US-10-114-170-50
 Sequence 50, Application US/10114170
 Publication No. US20030023075A1
 GENERAL INFORMATION:
 APPLICANT: Blattner, Frederick R.
 ADDRESS: Quarles & Brady
 STREET: 1 South Pinckney Street
 CITY: Madison
 STATE: WI
 COUNTRY: US
 ZIP: 537 01-2113

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch, 1.44Mb storage
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 CURRENT APPLICATION DATA:
 SOFTWARE: Word Perfect 8.0
 APPLICATION NUMBER: US/10/114,170
 FILING DATE: 01-APR-2002
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/453,702
 FILING DATE: 03-DEC-1999
 APPLICATION NUMBER: 60/110,955
 FILING DATE: 04-DEC-1998
 ATTORNEY/AGENT INFORMATION:
 NAME: Seay, Nicholas J.
 REGISTRATION NUMBER: 27386
 REFERENCE/DOCKET NUMBER: 950296.95017
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (608) 251-5000
 TELEFAX: (608) 251-9166
 INFORMATION FOR SEQ ID NO: 50:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3884
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 SEQUENCE DESCRIPTION: SEQ ID NO: 50:
 US-10-114-170-50

Query Match Best Local Similarity 80.0%; Score 14.4; DB 9; Length 383;
 Best Local Similarity 93.8%; Pred. No. 1.9e+02; Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GGCAGCTGTAAACAG 16
 239 GGCAGCTGTAAACAG 224

RESULT 13
 US-09-878-574-8610/c
 Sequence 8610, Application US/09878574
 Publication No. US20030110548A1
 GENERAL INFORMATION:
 APPLICANT: Byrum, Joseph R.
 ADDRESS: Thompson, Michael D.
 STREET: 1 South Pinckney Street
 CITY: Madison
 STATE: WI
 COUNTRY: US
 ZIP: 537 01-2113

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch, 1.44Mb storage
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 CURRENT APPLICATION DATA:
 SOFTWARE: Word Perfect 8.0
 APPLICATION NUMBER: US/10/114,170
 FILING DATE: 01-APR-2002
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/453,702
 FILING DATE: 03-DEC-1999
 APPLICATION NUMBER: 60/110,955
 FILING DATE: 04-DEC-1998
 ATTORNEY/AGENT INFORMATION:
 NAME: Seay, Nicholas J.
 REGISTRATION NUMBER: 27386
 REFERENCE/DOCKET NUMBER: 950296.95017
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (608) 251-5000
 TELEFAX: (608) 251-9166
 INFORMATION FOR SEQ ID NO: 50:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3884
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 SEQUENCE DESCRIPTION: SEQ ID NO: 50:
 US-10-114-170-50

Query Match Best Local Similarity 88.9%; Pred. No. 2.2e+02; Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Best Local Similarity 93.8%; Pred. No. 1.9e+02; Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GGCAGCTGTAAACAG 16
 239 GGCAGCTGTAAACAG 224

RESULT 14
 US-09-918-995-6449/c
 Sequence 6449, Application US/09918995
 Publication No. US20030073623A1
 GENERAL INFORMATION:
 APPLICANT: Hyseq, Inc.
 TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED FROM VARIOUS CDNA LIBRARIES
 FILE REFERENCE: 20411-756
 CURRENT APPLICATION NUMBER: US/09/918,995
 CURRENT FILING DATE: 2001-07-30
 PRIOR APPLICATION NUMBER: US/09/235,076
 PRIOR FILING DATE: 1999-01-20
 NUMBER OF SEQ ID NOS: 38054
 SEQ ID NO: 6449
 LENGTH: 383
 SOFTWARE: FastSBQ for Windows Version 3.0
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-918-995-6449

Query Match Best Local Similarity 80.0%; Score 14.4; DB 9; Length 383;
 Best Local Similarity 93.8%; Pred. No. 1.9e+02; Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GGCAGCTGTAAACAG 16
 239 GGCAGCTGTAAACAG 224

RESULT 15
 US-09-833-381-1732/c
 Sequence 1732, Application US/09833381

Query Match

82.2%; Score 14.8; DB 9; Length 38584;

Patent No. US20020132090A1
GENERAL INFORMATION:
APPLICANT: Robison, Keith E.
TITLE OF INVENTION: No. US20020132090A1el Nucleic Acid and Protein Homologs
FILE REFERENCE: 5800-119
CURRENT APPLICATION NUMBER: US09/833,381
PRIORITY NUMBER: 09/516,448
PRIORITY FILING DATE: 2001-04-11
PRIORITY FILING DATE: 2000-02-29
NUMBER OF SEQ ID NOS: 2050
SOFTWARE: FastSBQ for Windows Version 3.0
SEQ ID NO: 1732
LENGTH: 1069
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1) .. (1069)
OTHER INFORMATION: n = A,T,C or G
US-09-833-381-1732

Query Match 80.0%; Score 14.4; DB 10; Length 1069;
Best Local Similarity 93.8%; Pred. No. 2.26+02; Mismatches 1;
Matches 15; Conservative 0; Indels 0; Gaps 0;
QY 1 GGCAGCTTAAACAG 16
Db 1002 GGCGCTTGACACAG 987

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Job time : 145 secs

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GenCore version 5.1.6
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Copyright (c) 1993 - 2003

Run on: June 22, 2003, 08:07:40 ; Search time: 2786 Seconds

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pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

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c	4	18	100.0	420	34	US-09-904-939-29959
c	5	18	100.0	420	16	US-09-287-618-26653
c	6	18	100.0	492	31	US-09-824-518-5128
c	7	18	100.0	513	20	US-09-534-857-1848
c	8	18	100.0	619	25	US-09-644-871-7428
c	9	18	100.0	619	25	US-09-652-124-7882
c	10	18	100.0	2625	1	PCT-US02-18947-670
c	11	18	100.0	2625	3	PCT-US03-03684-57
c	12	18	100.0	2625	14	US-09-053-375B-1424
c	13	18	100.0	2625	18	US-09-403-441-1
c	14	18	100.0	2625	18	US-09-442-589B-797
c	15	18	100.0	2625	25	US-09-654-328-1
c	16	18	100.0	2625	41	US-10-163-818-1
c	17	18	100.0	2625	41	US-10-172-186-670
c	18	18	100.0	3296	30	US-09-770-173-3189
c	19	18	100.0	3296	30	US-09-770-175-6393
c	20	18	100.0	3403	38	US-10-044-090-597
c	21	18	100.0	3403	39	US-10-084-817-136

RESULT 5
 US-09-287-618-26653/c
 ; Sequence 26653, Application US/09287618
 ; GENERAL INFORMATION:
 ; APPLICANT: Hyseq, Inc.
 ; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
 ; FILE REFERENCE: 20411-768
 ; CURRENT APPLICATION NUMBER: US/09/287,618
 ; CURRENT FILING DATE: 1999-04-02
 ; NUMBER OF SEQ ID NOS: 35865
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO: 26653
 ; LENGTH: 443
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE: misc. feature
 ; NAME/KEY: misc. feature
 ; LOCATION: (1)..(443)
 ; OTHER INFORMATION: n = A,T,C or G
 ; US-09-287-618-26653

Query Match 100.0%; Score 18; DB 16; Length 443;
 Best Local Similarity 100.0%; Pred. No. 15; Mismatches 0; Indels 0; Gaps 0;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGC GGCTTGTAACAGTA 18
 |||||||
 Db 427 GGC GGCTTGTAACAGTA 410
 |||||||

RESULT 6
 US-09-824-518-5128/c
 ; Sequence 5128, Application US/09824518
 ; GENERAL INFORMATION:
 ; APPLICANT: Gearing, David P.
 ; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
 ; TITLE OF INVENTION: THEREFOR
 ; TITLE OF INVENTION: THEREFOR
 ; FILE REFERENCE: 1600-1167-001
 ; CURRENT APPLICATION NUMBER: US/09/644,871
 ; CURRENT FILING DATE: 2000-08-28
 ; PRIORITY APPLICATION NUMBER: 60/151,059
 ; PRIORITY FILING DATE: 1999-01-27
 ; NUMBER OF SEQ ID NOS: 9739
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 7428
 ; LENGTH: 619
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-824-518-5128

Query Match 100.0%; Score 18; DB 31; Length 492;
 Best Local Similarity 100.0%; Pred. No. 15; Mismatches 0; Indels 0; Gaps 0;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGC GGCTTGTAACAGTA 18
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 Db 27 GGC GGCTTGTAACAGTA 10
 |||||||

RESULT 7
 US-09-534-857-1848/c
 ; Sequence 1848, Application US/09534857
 ; GENERAL INFORMATION:
 ; APPLICANT: Sellhamer, Jeffrey J.
 ; APPLICANT: Deleane, Angelo M.
 ; APPLICANT: Stuart, Susan G.
 ; APPLICANT: Stuve, Laura L.
 ; APPLICANT: Mullany, Sara J.
 ; APPLICANT: Naughton, Rebecca E.

Query Match 100.0%; Score 18; DB 16; Length 492;
 Best Local Similarity 100.0%; Pred. No. 15; Mismatches 0; Indels 0; Gaps 0;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGC GGCTTGTAACAGTA 18
 |||||||
 Db 520 GGC GGCTTGTAACAGTA 503
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RESULT 8
 US-09-644-871-7428/c
 ; Sequence 7428, Application US/09644871
 ; GENERAL INFORMATION:
 ; APPLICANT: Pan, Yang
 ; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
 ; FILE REFERENCE: 1600-1167-001
 ; CURRENT APPLICATION NUMBER: US/09/644,871
 ; CURRENT FILING DATE: 2000-08-28
 ; PRIORITY APPLICATION NUMBER: 60/151,059
 ; PRIORITY FILING DATE: 1999-01-27
 ; NUMBER OF SEQ ID NOS: 9739
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 7428
 ; LENGTH: 619
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-644-871-7428

Query Match 100.0%; Score 18; DB 25; Length 619;
 Best Local Similarity 100.0%; Pred. No. 16; Mismatches 0; Indels 0; Gaps 0;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGC GGCTTGTAACAGTA 18
 |||||||
 Db 520 GGC GGCTTGTAACAGTA 503
 |||||||

RESULT 9
 US-09-652-124-7882/c
 ; Sequence 7882, Application US/09652124
 ; GENERAL INFORMATION:
 ; APPLICANT: Holtzman, Douglas A.
 ; APPLICANT: Welch, Nadine S.
 ; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
 ; FILE REFERENCE: 1600-1179-001
 ; CURRENT APPLICATION NUMBER: US/09/652,124
 ; CURRENT FILING DATE: 2000-08-30
 ; PRIORITY APPLICATION NUMBER: 60/151,131
 ; PRIORITY FILING DATE: 1999-08-30
 ; NUMBER OF SEQ ID NOS: 9868
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 7882
 ; LENGTH: 619
 ; TYPE: DNA

ORGANISM: *Homo sapiens*
US-09-652-124-7882

TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448

Query Match 100.0%; Score 18; DB 25; Length 619;
Best Local Similarity 100.0%; Pred. No. 16;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGC GGCTTGTAACAGTA 18
Db 520 GGC GGCTTGTAACAGTA 503

RESULT 10
PCT-US02-18947-670/C

Sequence 670, Application PC/TUS0218947

GENERAL INFORMATION:
APPLICANT: Rosetta Inpharmatics

TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients

FILE REFERENCE: 9301-175-228

CURRENT APPLICATION NUMBER: PCT-US02/18947

CURRENT FILING DATE: 2002-06-14

PRIOR APPLICATION NUMBER: 60/780,770

PRIOR FILING DATE: 2002-05-14

NUMBER OF SEQ ID NOS: 2699

SEQ ID NO 670

LENGTH: 2625

TYPE: DNA

ORGANISM: *Homo sapiens*

PUBLICATION INFORMATION:

DATABASE ACCESSION NUMBER: NM_001797

PCT-US02-18947-670

Query Match 100.0%; Score 18; DB 1; Length 2625;

Best Local Similarity 100.0%; Pred. No. 20;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGC GGCTTGTAACAGTA 18

Db 185 GGC GGCTTGTAACAGTA 168

RESULT 11

PCT-US93-03681-57/C

Sequence 57, Application PC/TUS9303681

GENERAL INFORMATION:

APPLICANT: Suzuki, Shintaro

TITLE OF INVENTION: CADHERIN MATERIALS AND METHODS

NUMBER OF SEQUENCES: 62

CORRESPONDENCE ADDRESS:

ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &

ADDRESSEE: Burton

STREET: 6500 Sears Tower, 233 S. Wacker Drive

CITY: Chicago

STATE: Illinois

COUNTRY: USA

ZIP: 60606

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US93/03681

FILED DATE: 19930419

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/872,643

FILING DATE: 17 APR 1992

ATTORNEY/AGENT INFORMATION:

NAME: Noland, Greta E.

REGISTRATION NUMBER: 35,302

REFERENCE/DOCKET NUMBER: 31340

TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448

INFORMATION FOR SEQ ID NO: 57:
SEQUENCE CHARACTERISTICS:
LENGTH: 2625 base pairs
TYPE: NUCLEAR ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
PCT-US93-03681-57

RESULT 12

US-09-053-375B-144/C
Sequence 1424, Application US/09053375B

GENERAL INFORMATION:

APPLICANT: Chencik, Alex

APPLICANT: Bibilashvili, Robert

TITLE OF INVENTION: Nucleic Acid Arrays

FILE REFERENCE: CION-005

CURRENT APPLICATION NUMBER: US/09/053,375B

CURRENT FILING DATE: 1998-08-31

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 1424

LENGTH: 2625

TYPE: DNA

ORGANISM: *Homo sapiens*

US-09-053-375B-1424

RESULT 13

US-09-03-441-1/C

Sequence 1, Application US/09403441

GENERAL INFORMATION:

APPLICANT: MacCallum, Colin D

APPLICANT: Stephenson, Mary D

TITLE OF INVENTION: Cadherin-11 as an Indicator of Viable Pregnancy.

FILE REFERENCE: 21866/4647

CURRENT APPLICATION NUMBER: US/09/403,441

CURRENT FILING DATE: 2000-02-15

PRIOR APPLICATION NUMBER: PCT/CA8/00397

PRIOR FILING DATE: 1998-04-24

PRIOR APPLICATION NUMBER: CA 2,203,718

PRIOR FILING DATE: 1991-04-25

NUMBER OF SEQ ID NOS: 4

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 1

LENGTH: 2625

TYPE: DNA

ORGANISM: *Homo sapiens*

US-09-403-441-1

Query Match 100.0%; Score 18; DB 18; Length 2625;

Best Local Similarity 100.0%; Pred. No. 20;

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Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGCAGCTTAAACAGTA 18
    ||||||| 185 GGCAGCTTAAACAGTA 168
Db

RESULT 14
US-09-442-589B-797/c
; Sequence 797, Application US/09442589B
; GENERAL INFORMATION:
; APPLICANT: Chenchik, Alex
; APPLICANT: Lukashev, Matvey
; TITLE OF INVENTION: Human Cardiovascular Array
; FILE REFERENCE: CLON-006CP10
; CURRENT APPLICATION NUMBER: US/09/442,589B
; CURRENT FILING DATE: 1999-11-17
; PRIORITY NUMBER: 09/53,375
; PRIORITY FILING DATE: 1998-03-31
; NUMBER OF SEQ ID NOS: 1194
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 797
; LENGTH: 2625
; TYPE: DNA
; ORGANISM: homo sapiens
; US-09-442-589B-797

Query Match 100.0%; Score 18; DB 18; Length 2625;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGCAGCTTAAACAGTA 18
    ||||||| 185 GGCAGCTTAAACAGTA 168
Db

RESULT 15
US-09-654-328-1/c
; Sequence 1, Application US/09654328
; GENERAL INFORMATION:
; APPLICANT: Bremer, Michael B.
; APPLICANT: Valencia, Xavier
; TITLE OF INVENTION: Methods and Compositions for Treatment of Inflammatory Disease Using Cadherin-11 Modulating Agents
; TITLE OF INVENTION: Of Inflammatory Disease Using Cadherin-11 Modulating Agents
; FILE REFERENCE: B0801/7187/ERP/MAT
; CURRENT APPLICATION NUMBER: US/09/654,328
; CURRENT FILING DATE: 2000-09-01
; PRIORITY NUMBER: US 60/152,455
; PRIORITY FILING DATE: 1999-09-03
; PRIORITY APPLICATION NUMBER: US 60/153,490
; PRIORITY FILING DATE: 1999-09-13
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO: 1
; LENGTH: 2625
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (156)...(2546)
; US-09-654-328-1

Query Match 100.0%; Score 18; DB 25; Length 2625;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGCAGCTTAAACAGTA 18
    ||||||| 185 GGCAGCTTAAACAGTA 168
Db

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Search completed: June 22, 2003, 10:01:12
 Job time : 2790 secs

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SUMMARIES

RESULT 1

US-60-455-444-34244/C

Sequence 34244, Application US/60455444

GENERAL INFORMATION:

APPLICANT: CARGILL, Michelle

APPLICANT: BIRGOWICH, Ann

TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH TITLE OF INVENTION: RHEUMATOID ARTHRITIS, METHODS OF DETECTION AND USES THEREOF

FILE REFERENCE: CL01455

CURRENT APPLICATION NUMBER: US/60/445, 444

CURRENT FILING DATE: 2003-03-18

NUMBER OF SEQ ID NOS: 50986

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 34244

LENGTH: 201

TYPE: DNA

ORGANISM: Homo sapiens

18 000.0 201 13 US-60-465-241-172912 Sequence 172912,
18 100.0 1026 6 US-09-674-676-6128 Sequence 6128, AP
18 100.0 1026 6 US-09-674-676-6128 Sequence 6128, AP
18 100.0 2080 10 US-10-170-335-9135 Sequence 9135, AP
18 100.0 2080 13 US-60-455-444-2624 Sequence 2624, AP
18 100.0 2080 13 US-60-465-241-2624 Sequence 2624, AP
18 100.0 2625 9 US-10-342-887-670 Sequence 2624, AP
18 100.0 2625 9 US-10-269-909-6 Sequence 2624, AP
18 100.0 3210 6 US-09-724-676-6129 Sequence 6129, AP
18 100.0 3210 6 US-09-724-676-6129 Sequence 6129, AP
18 100.0 3661 1 PCT-US03-15711-151 Sequence 151, APP
18 100.0 3661 1 PCT-US03-15711-151 Sequence 151, APP
18 100.0 3661 9 US-10-240-425-1210 Sequence 1210, AP
18 100.0 3691 10 US-10-720-235-9337 Sequence 9337, AP
18 100.0 3691 13 US-60-455-444-2623 Sequence 2623, AP
18 100.0 3691 13 US-60-465-241-2623 Sequence 2623, AP
18 100.0 3867 1 PCT-US02-14597-22 Sequence 22, APP
18 100.0 3867 1 PCT-US03-15711-152 Sequence 152, APP
18 100.0 3867 8 US-10-440-464-152 Sequence 152, APP
18 100.0 3867 9 US-10-101-510-485 Sequence 485, APP
18 100.0 6336 10 US-10-170-235-10098 Sequence 10098, APP
18 100.0 6336 13 US-60-455-444-2625 Sequence 2625, APP
18 100.0 6556 13 US-60-465-241-2625 Sequence 2625, APP
18 100.0 122184 13 US-60-465-241-52470 Sequence 52470, APP

ALIGNMENTS

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1: /cgn2_6/ptodata/1/pna/pctc_new...
2: /cgn2_6/ptodata/1/pna/us06_new_comb_seq:*
3: /cgn2_6/ptodata/1/pna/us07_new_comb_seq:*
4: /cgn2_6/ptodata/1/pna/us08_new_comb_seq:*
5: /cgn2_6/ptodata/1/pna/us09_new_comb_seq:*
6: /cgn2_6/ptodata/1/pna/us09_new_comb_seq:*
7: /cgn2_6/ptodata/1/pna/us09_new_comb_seq:*
8: /cgn2_5/ptodata/1/pna/us09_new_comb_seq:*
9: /cgn2_6/ptodata/1/pna/us10_new_comb_seq:*
10: /cgn2_6/ptodata/1/pna/us10_new_comb_seq:*
11: /cgn2_6/ptodata/1/pna/us10_new_comb_seq:*
12: /cgn2_6/ptodata/1/pna/us50_new_comb_seq:*
13: /cgn2_6/ptodata/1/pna/us50_new_comb_seq:*

```

RESULT 3
US-60-455-444-34246/c
; Sequence 34246, Application US/60455444
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001455
; CURRENT APPLICATION NUMBER: US/60/455,444
; CURRENT FILING DATE: 2003-03-18
; NUMBER OF SEQ ID NOS: 50986
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 34257
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-60-455-444-34257
Query Match 100.0%; Score 18; DB 13; Length 201;
Best Local Similarity 100.0%; Pred. No. 6.1; Mismatches 0; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGGGGCTGTAAACAGTA 18
||||||| ||||| ||||| |||||
Db 37 GGGGGCTGTAAACAGTA 20
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; US-60-455-444-34246
; Sequence 34246, Application US/60455444
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-60-455-444-34246
Query Match 100.0%; Score 18; DB 13; Length 201;
Best Local Similarity 100.0%; Pred. No. 6.1; Mismatches 0; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GCGGGCTGTAAACAGTA 18
||||||| ||||| ||||| |||||
Db 37 GCGGGCTGTAAACAGTA 20
||||||| ||||| ||||| |||||
; RESULT 4
; US-60-455-444-34256/c
; Sequence 34256, Application US/60455444
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: BEGOVITCH, Ann
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001455
; CURRENT APPLICATION NUMBER: US/60/455,444
; CURRENT FILING DATE: 2003-03-18
; NUMBER OF SEQ ID NOS: 50986
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 34258
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-60-455-444-34258
Query Match 100.0%; Score 18; DB 13; Length 201;
Best Local Similarity 100.0%; Pred. No. 6.1; Mismatches 0; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GCGGGCTGTAAACAGTA 18
||||||| ||||| ||||| |||||
Db 32 GCGGGCTGTAAACAGTA 15
||||||| ||||| ||||| |||||
; RESULT 5
; US-60-455-444-34257/c
; Sequence 34257, Application US/60455444
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: BEGOVITCH, Ann
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001455
; CURRENT APPLICATION NUMBER: US/60/455,444
; CURRENT FILING DATE: 2003-03-18
; NUMBER OF SEQ ID NOS: 50986
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 34258
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-60-455-444-34258
Query Match 100.0%; Score 18; DB 13; Length 201;
Best Local Similarity 100.0%; Pred. No. 6.1; Mismatches 0; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGGGGCTGTAAACAGTA 18
||||||| ||||| ||||| |||||
Db 44 GGGGGCTGTAAACAGTA 27
||||||| ||||| ||||| |||||
; RESULT 6
; US-60-455-444-34258/c
; Sequence 34258, Application US/60455444
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: BEGOVITCH, Ann
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001455
; CURRENT APPLICATION NUMBER: US/60/455,444
; CURRENT FILING DATE: 2003-03-18
; NUMBER OF SEQ ID NOS: 50986
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 34258
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-60-455-444-34258
Query Match 100.0%; Score 18; DB 13; Length 201;
Best Local Similarity 100.0%; Pred. No. 6.1; Mismatches 0; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GCGGGCTGTAAACAGTA 18
||||||| ||||| ||||| |||||
Db 32 GCGGGCTGTAAACAGTA 15
||||||| ||||| ||||| |||||
; RESULT 7
; US-60-455-444-34268/c
; Sequence 34268, Application US/60455444
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: BEGOVITCH, Ann
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001455
; CURRENT APPLICATION NUMBER: US/60/455,444
; CURRENT FILING DATE: 2003-03-18
; NUMBER OF SEQ ID NOS: 50986
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 34268
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-60-455-444-34268
Query Match 100.0%; Score 18; DB 13; Length 201;
Best Local Similarity 100.0%; Pred. No. 6.1; Mismatches 0; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 13 ; US-60-465-241-34256/c

; Sequence 34256, Application US/60465241

; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele

; APPLICANT: BEGOVICH, Ann

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

; FILE REFERENCE: CLO01468

; CURRENT APPLICATION NUMBER: US/60/465,241

; CURRENT FILING DATE: 2003-04-23

; NUMBER OF SEQ ID NOS: 258418

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO: 34256

; LENGTH: 201

; TYPE: DNA

; ORGANISM: Homo sapiens

; US-60-465-241-34256

; Query Match

; Best Local Similarity 100.0%; Score 18; DB 13; Length 201;

; Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; Qy 1 GGCCTTGTAAACAGTA 18

; Db 44 GGCCTTGTAAACAGTA 27

RESULT 14

US-60-465-241-34257/c

; Sequence 34257, Application US/60465241

; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele

; APPLICANT: BEGOVICH, Ann

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

; FILE REFERENCE: CLO01468

; CURRENT APPLICATION NUMBER: US/60/465,241

; CURRENT FILING DATE: 2003-04-23

; NUMBER OF SEQ ID NOS: 258418

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO: 34257

; LENGTH: 201

; TYPE: DNA

; ORGANISM: Homo sapiens

; US-60-465-241-34257

; Query Match 100.0%; Score 18; DB 13; Length 201;

; Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; Qy 1 GGCCTTGTAAACAGTA 18

; Db 37 GGCCTTGTAAACAGTA 20

RESULT 15

US-60-465-241-34258/c

; Sequence 34258, Application US/60465241

; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele

; APPLICANT: BEGOVICH, Ann

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

; FILE REFERENCE: CLO01468

; CURRENT APPLICATION NUMBER: US/60/465,241

; CURRENT FILING DATE: 2003-04-23

; NUMBER OF SEQ ID NOS: 258418

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO: 34258

; LENGTH: 201

; TYPE: DNA

; ORGANISM: Homo sapiens

; US-60-465-241-34258

; Query Match 100.0%; Score 18; DB 13; Length 201;

; Best Local Similarity 100.0%; Score 18; DB 13; Length 201;

; Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; Qy 1 GGCCTTGTAAACAGTA 18

; Db 32 GGCCTTGTAAACAGTA 15

Search completed: June 22, 2003, 10:14:19
Job time : 776 secs

GenCore version 5.1.6
copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using SW model
Run on: June 22, 2003, 08:06:05 ; Search time 1754 Seconds
(without alignments)
166.202 Million cell updates/sec

Title: US-09-830-811-1
Perfect score: 18
Sequence: 1 ggcggcttggaaacgta 18

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
Searched: 16154066 seqs, 8097743376 residues

Total number of hits satisfying chosen parameters:
Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Maximum Match 0%
Listing first 45 summaries

Database : EST:*

- 1: em.estba:*
- 2: em.esthium:*
- 3: em.estin:*
- 4: em.estmu:*
- 5: em.estov:*
- 6: em.estpl:*
- 7: em.estro:*
- 8: em.htc:*
- 9: gb.est1:*
- 10: gb.est2:*
- 11: gb.htc:*
- 12: gp.est3:*
- 13: gp.est4:*
- 14: gp.est5:*
- 15: em.estfun:*
- 16: em.estom:*
- 17: gp.gss:*
- 18: em.gss_hum:*
- 19: em.gss_inv:*
- 20: em.gss_pln:*
- 21: em.gss_vrt:*
- 22: em.gss_fun:*
- 23: em.gss_mam:*
- 24: em.gss_mus:*
- 25: em.gss_other:*
- 26: em.gss_pro:*
- 27: em.gss_rnd:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

ALIGNMENTS

RESULT 1
AL708659/C
LOCUS AL708659 DEFINITION DKFZP66K1153_r1 579 bp mRNA linear EST 22-MAR-2002
ACCESSION AL708659
VERSION AL708659.1
KEYWORDS EST
SOURCE
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.
REFERENCE 1 (bases 1 to 579)
AUTHORS Wambutt, R., Heubner, D., Mewes, W., Weil, B. and Wiemann, S.
TITLE EST (Wambutt, R., Heubner, D., Mewes, W., Weil, B. and Wiemann, S.)
JOURNAL Unpublished (1999)
COMMENT Contact: Wambutt, R.
MIPS
Am Klopferspitze 18a D-8215 Martinsried, Germany
This is the 5' sequence of the clone insert
Clone from S. Wiemann, Molecular Genome Analysis, German Cancer
Research Center (DKFZ); Email: s.wiemann@dkfz-heidelberg.de;
sequenced by AGONA (Berlin,Germany) within the cDNA sequencing
consortium of the German Genome Project.
No sl1 sequence available.
This clone (DKFZP66K1153) is available at the RZPD in Berlin.
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: Clone@rzpd.de.
Location/Qualifiers

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
C 1	18	100.0	579	9 AL708659
C 2	18	100.0	585	9 BF194811
C 3	18	100.0	943	9 AUI33055
C 4	18	100.0	960	9 AUI132966
C 5	18	100.0	964	12 BF337900
6	17	94.4	239	9 AA091280

Nishikawa, T., Nakamura, Y., Nagai, T., Sugano, S., Masuho, Y. and Isogai, T.
HRI human cDNA project (Ota, T., Sugiyama, T., Ishii, S., Suzuki, Y.,
Saito, K., Yamamoto, J., Nishikawa, T., Nakamura, Y., Nagai, T., Sugano
, S., Masuho, Y., Isogai, T.)
JOURNAL Unpublished (2000)
COMMENT Contact: Takao Isogai
Genomics Laboratory

Helix Research Institute
1532-3 Yana, Kisarazu, Chiba 292-0812, Japan
Tel: 81-438-52-3986
Fax: 81-438-52-3986
Email: genomics@hri.co.jp
HRI human cDNA project; 5' - 3' -end one pass sequencing: Helix
Research Institute; cDNA library construction: Department of
Virology, Institute of Medical Science, University of Tokyo, and
Helix Research Institute.

FEATURES Location/Qualifiers
source
BASE COUNT 259 a 252 c 295 g 158 t
ORIGIN
Query Match 100.0%; Score 18; DB 12; Length 964;
Best Local Similarity 100.0%; Pred. No. 35; Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
/note="Organ: brain; Vector: pCMV-SPORT6; Site_1: NotI;
Site_2: SalI; Cloned unidirectionally. Primer: Oligo dT.
Average insert size 1.57 kb. Constructed by Life
Technologies. Note: this is a NCI_CGAP Library."
/lab_host="DH10B (T1 phage-resistant)"
/note="Organ: brain; Vector: pCMV-SPORT6; Site_1: NotI;
Site_2: SalI; Cloned unidirectionally. Primer: Oligo dT.
Average insert size 1.57 kb. Constructed by Life
Technologies. Note: this is a NCI_CGAP Library."
/note="Organism: "Homo sapiens"
/db_xref="Taxon: 9606"
/clone="NT2RP4000986"
/clone_id="NT2RP4"
/cell_type="teratocarcinoma"
/cell_line="NT2"
/note="Vector: PME18SFL3; mRNA from NT2 neuronal precursor
cells after 2-weeks retinoic acid (RA) induction"
ORIGIN
222 a. 249 c 292 g 190 t 7 others
BASE COUNT 1. .960
ORIGIN
Query Match 100.0%; Score 18; DB 9; Length 960;
Best Local Similarity 100.0%; Pred. No. 35; Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
/note="Organism: "Homo sapiens"
/db_xref="Taxon: 9606"
/clone_id="NT2RP4000986"
/cell_type="teratocarcinoma"
/cell_line="NT2"
/note="Vector: PME18SFL3; mRNA from NT2 neuronal precursor
cells after 2-weeks retinoic acid (RA) induction"
ORIGIN
222 a. 249 c 292 g 190 t 7 others
BASE COUNT 1. .960
ORIGIN

RESULT 6
AA091280
LOCUS AA091280
DEFINITION cchn208.seq.F Human fetal heart, Lambda ZAP Express Homo sapiens
ACCESSION AA091280
VERSION AA091280.1 GL:1635864
KEYWORDS EST.
SOURCE
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 239)
AUTHORS Liew,C.C.
TITLE cDNAs from fetal heart (1996)
JOURNAL Unpublished (1996)
COMMENT Contact: Liew CC
Brigham and Women's Hospital
Harvard Medical School
75 Francis St. Boston, MA 02115, USA
Tel: 6177328915
Fax: 6179750995
Email: cliewer@cs.bwh.harvard.edu
PCR Primers
FORWARD: 5' GCCAAGCTGAAATTAACCTCACTAAAGGG 3'
BACKWARD: 5' CCATGTGATGTTACACTACTATAAGGG 3'
Seq primer: 5' GAATTACCCCTCACTAAAGGG 3'
Location/Qualifiers
1. .239
FEATURES Location/Qualifiers
source
BASE COUNT 87 a 45 c 63 g 44 t
ORIGIN
Query Match 94.4%; Score 17; DB 9; Length 239;
Best Local Similarity 100.0%; Pred. No. 74; Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 7
AW125499
LOCUS AW125499
DEFINITION UI-M-BH2.2-aqm-d-12-0-UTI_91 NIH_BMAP_M S3.2 Mus musculus cDNA clone
/lab_host="DH10B (T1 phage-resistant)"
/note="Organ: brain; Vector: pCMV-SPORT6; Site_1: NotI;
Site_2: SalI; Cloned unidirectionally. Primer: Oligo dT.
Average insert size 1.57 kb. Constructed by Life
Technologies. Note: this is a NCI_CGAP Library."
/note="Organism: "Homo sapiens"
/db_xref="Taxon: 9606"
/clone="IMAGE:4183901"
/clone_id="NCI_CGAP_Brn64"
/tissue_type="glioblastoma with EGFR amplification"
FEATURES Location/Qualifiers
source
BASE COUNT 1. .964
ORIGIN
Query Match 94.4%; Score 17; DB 9; Length 239;
Best Local Similarity 100.0%; Pred. No. 74; Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
/note="Organism: "Homo sapiens"
/db_xref="Taxon: 9606"
/clone="IMAGE:4183901"
/clone_id="NCI_CGAP_Brn64"
/tissue_type="glioblastoma with EGFR amplification"

ACCESSION AWI25499.1 **GR**:61:01029
VERSION AWI25499
KEYWORDS house mouse.
ORGANISM *Mus musculus*
SOURCE Eukaryote; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
REFERENCE (bases 1 to 384)
AUTHORS Bonaldo, M.F., Lennon, G. and Soares, M.B.
TITLE Normalization and subtraction: two approaches to facilitate gene discovery
JOURNAL *Genome Res.* 6 (9), 791-806 (1996)
COMMENT Contact: Chin, H
NATIONAL INSTITUTE OF MENTAL HEALTH
6001 Executive Blvd. Room 7N-7190, MSC 9643, Bethesda, MD
20892-9643, USA
Tel: 301 443 1706
Fax: 301 443 9890
Email: mbsr@mail.nih.gov

The sequence contained an oligo-dT track that was present in the oligonucleotide that was used to prime the synthesis of first strand cDNA and therefore this may represent a bona fide poly A tail. The sequence tag present in the cDNA between the NotI site and the oligo-dT track served to identify it as a clone from the normalized brain stems library cDNA library preparation. M.B. Soares Lab. Clone distribution: NIH BMAP cDNA clones will be made available by the means that is soon to be determined. When NIH determines the means for distribution of the BMAP cDNA clones, this record will be updated accordingly when that means is determined. Seq primer: M13 Forward POLYA=Yes.

FEATURES

Source

Location/Qualifiers

1. .384

Organism="Mus musculus"

/strain="C57BL/6J"

/lab_host="DH10B (Life Technologies)"

/clone="UT-M-BH2.2-0.9cm-d-12-0-UT"

/dev_stage="27-32 days"

/polylinker, site_1: Not I, site_2: Eco RI; The NIH_BMAP_M_S3.2 library is a subtracted library of a series ultimately derived from a mixture of individual, tagged normalized libraries from ten regions of the mouse brain (cerebellum, brain stems, olfactory bulbs, hypothalamus, cortex, amygdala, basal ganglia, pineal gland, striatum, hippocampus) after a series of subtractions to reduce the representation of cDNAs which ESTs had already been generated. The following serially subtracted libraries were generated in this process: NIH_BMAP_M_S3.2, NIH_BMAP_M_S2, NIH_BMAP_M_S1. The subtracted library (NIH_BMAP_M_S3.2) was constructed as follows: peramplified cDNA inserts from NIH_BMAP_M_S2 clones from which 3³ EGs had been derived was used as a driver in a hybridization with the NIH_BMAP_M_S2 library in the form of single-stranded circles. The remaining single-stranded circles (subtracted library) was purified by hydroxyapatite column chromatography, converted to double-stranded circles and electroporated into DH10B bacteria (LifeTechnologies) to generate the NIH_BMAP_M_S3.2 library. This procedure has been previously described (Bonaldo, Lennon and Soares, Genome Research 6:791-806, 1996)

TAG_LIB=NIH_BMAP_M_S3.2

TAG_ISSUE="brain-stems

TAG_SEQ=TCAG"

ACCESSION BGR02493
 VERSION BGR02493.1
 KEYWORD EST
 SOURCE house mouse.

ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus; 1-7-22 Sueniro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan

REFERENCE 1 (bases 1 to 453)

AUTHORS Mu, X., Zhao, S., Pershad, R., Hsieh, T.-F., Scarpa, A., Wang, S.W., White, R.A., Beremand, P.D., Thomas, T.L., Gan, L. and Klein, W.H.

TITLE Gene expression in the developing mouse retina by EST sequencing and microarray analysis

JOURNAL Nucleic Acids Res., 29 (24), 4983-4993 (2001)

COMMENT Contact: Klein, W.H. Department of Biochemistry and Molecular Biology University of Texas M.D. Anderson Cancer Center Box 117, 1515 Holcombe Blvd., Houston, TX 77030, USA Tel: 713 792 3646 Fax: 713 790 0329.

FEATURES source

1. .453 /organism="Mus musculus" /db_xref="taxon:0090" /clone_id="Mouse B14.5 retina lambda ZAP II Library"

/tissue_type="neural retina" /dev_stage="embryonic day 14.5 post-fertilization"

/note "Vector: PAM10 (Gibco); Cloned unidirectionally. Primer: Oligo dT. RNA Isolation: cytoplasmic RNA preps (Manniatis); Cloning technique: CUA Cloning (CloneAmp, Life Technologies); Average insert size: 1.8 kb; Insertion site: TAGTCGACTGATTCGAGCT-->. Other information regarding entire library may be found at http://pga.swmed.edu/data/libraries/microarray_cdna_library.htmls.htm"

BASE COUNT 115 a 108 c 134 g 96 t

ORIGIN Query Match 91.1%; Score 16.4; DB 12; Length 453; Best Local Similarity 94.4%; Pred. No. 2.1e-02; Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGCAGCTTGTAAACAGTA 18

Db 265 GGCAGCTTGTAAACAGTA 248

FEATURES source

1. .455 /organism="Mus musculus" /strain="C57BL/6J" /db_xref="taxon:10090" /clone_id="G370019H17"

/clone_id="RIKEN full-length enriched, B16 F10Y cells" /cell_type="B16 F10Y cells"

/note="pooled tissues ; (tissue_type=rebbellum, dev_stage=16 days neonate, sex=mixed), (tissue_type=cerebellum, sex=mixed), (tissue_type=hippocampus, dev_stage=adult, sex=male), (tissue_type=whole body, dev_stage=9 days embryo, sex=mixed), (tissue_type=lung, dev_stage=13 days embryo, sex=mixed)"

BASE COUNT 106 a 102 c 160 g 87 t

ORIGIN Query Match 91.1%; Score 16.4; DB 10; Length 455; Best Local Similarity 94.4%; Pred. No. 2.1e-02; Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGCAGCTTGTAAACAGTA 18

Db 410 GGCAGCTTGTAAACAGTA 393

RESULT 10 BB854489/C

LOCUS BB854489 DEFINITION RIKEN full-length enriched, B16 F10Y cells Mus musculus cDNA clone G370019H17 5', mRNA sequence.

ACCESSION BB854489

VERSION BB854489.1

KEYWORDS EST.

SOURCE house mouse.

ORGANISM Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus; 1-7-22 Sueniro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan

REFERENCE 1 (bases 1 to 455)

AUTHORS Hayatsu, N., Hiramoto, K., Hiraoka, T., Hirozane, T., Imotani, K., Ishii, Y., Ito, M., Kawai, J., Kojima, Y., Kono, H., Konda, M., Matsuyama, T., Nakamura, M., Nishi, K., Nomura, K., Numasaki, R., Okazaki, Y., Okido, T., Saito, R., Sakai, C., Sakai, K., Sakazume, N., Sasaki, D., Sato, K., Shibata, K., Shinagawa, A., Shiraki, T., Sogabe, Y., Suzuki, H., Tagawa, A., Takahashi, F., Takaku-Akabira, S., Tanaka, T., Tomaru, A., Toya, T., Watanuki, A., Yasunishi, A., Mamatatsu, M. and Hayashizaki, Y., et al.

TITLE RIKEN Encyclopedia of Mouse Full-length cDNAs (Akimura, T., et al. 2001)

JOURNAL (Unpublished (2001))

COMMENT Contact: Yoshihide Hayashizaki

Laboratory for Genome Exploration Research Group, RIKEN Genomic

Sciences Center (SSC), Yokohama Institute The Institute of Physical and Chemical Research (RIKEN) 1-7-22 Sueniro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan Tel: 81-45-503-9222 Fax: 81-45-503-9216 Email: genome-res@sc.riken.go.jp; URL: <http://genome.gsc.riken.go.jp/>

Carninci, P., Shibata, Y., Hayatsu, N., Sugahara, Y., Shibata, K., Itoh, M., Kono, H., Okazaki, Y., Muramatsu, M. and Hayashizaki, Y. Normalization and subtraction of cap-trapper-selected cDNAs to prepare full-length cDNA libraries for rapid discovery of new genes. *Genome Res.* 10 (10), 1617-1630 (2000)

Wagi, K., Fujikawa, S., Inoue, K., Togawa, Y., Iizawa, M., Ohara, E., Watahiki, M., Yoneda, Y., Ishikawa, T., Ozawa, K., Tanaka, T., Matzuura, S., Kawai, J., Okazaki, Y., Muramatsu, M., Inoue, Y., Kira, A. and Hayashizaki, Y.

RIKEN integrated sequence analysis (RISA) system -384-format sequencing pipeline with 384 multicapillary sequencer. *Genome Res.* 10 (11), 1751-1771 (2000)

Konno, H., Fukunishi, Y., Shibata, K., Itoh, M., Carninci, P., Sugahara Y and Hayashizaki, Y.

Computer-based methods for the mouse full-length cDNA encyclopedia: real-time sequence clustering for construction of a nonredundant cDNA library. *Genome Res.* 11 (2), 281-289 (2001)

Please visit our web site (<http://genome.gsc.riken.go.jp/>) for further details.

e mouse tissues.

Location/Qualifiers

1. .455

/organism="Mus musculus" /strain="C57BL/6J" /db_xref="taxon:10090" /clone_id="G370019H17"

/clone_id="RIKEN full-length enriched, B16 F10Y cells" /cell_type="B16 F10Y cells"

/note="pooled tissues ; (tissue_type=rebbellum, dev_stage=16 days neonate, sex=mixed), (tissue_type=cerebellum, sex=mixed), (tissue_type=hippocampus, dev_stage=adult, sex=male), (tissue_type=whole body, dev_stage=9 days embryo, sex=mixed), (tissue_type=lung, dev_stage=13 days embryo, sex=mixed)"

BASE COUNT 106 a 102 c 160 g 87 t

ORIGIN Query Match 91.1%; Score 16.4; DB 10; Length 455; Best Local Similarity 94.4%; Pred. No. 2.1e-02; Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGCAGCTTGTAAACAGTA 18

Db 410 GGCAGCTTGTAAACAGTA 393

RESULT 11 BB854982/C

LOCUS BB854982 DEFINITION RIKEN full-length enriched, B16 F10Y cells Mus musculus cDNA clone G370022B05 5', mRNA sequence.

ACCESSION BB854982

VERSION BB854982.1

KEYWORD EST.

SOURCE house mouse.

ORGANISM Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus; 1-7-22 Sueniro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan

REFERENCE 1 (bases 1 to 479)

AUTHORS Hayatsu, N., Hiramoto, K., Hiraoka, T., Hirozane, T., Imotani, K., Ishii, Y., Ito, M., Kawai, J., Kojima, Y., Kono, H., Konda, M., Matsuyama, T., Nakamura, M., Nishi, K., Nomura, K., Numasaki, R., Okazaki, Y., Okido, T., Saito, R., Sakai, C., Sakai, K., Sakazume, N., Sasaki, D., Sato, K., Shibata, K., Shinagawa, A., Shiraki, T., Sogabe, Y., Suzuki, H., Tagawa

FEATURES
source
High quality sequence stop: 372.
Location/Qualifiers
1. .501
/organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="IMAGE:1262936"
/clone_id="Soares_thymus_2NBMT"
/sex="male"
/tissue_type="thymus"
/dev_stager="4 weeks"
/lab_host="DH10B"
/note="Vector: pT73D-Pac (Pharmacia) with a modified
polylinker; Site_1: Not I; Site_2: Eco RI; 1st strand
CDNA was primed with Not I - oligo(dt) primer [5'
TGTTTCACTGAGTGGAGCCGGCTTCTTCTTCTTCTTCTTCTTCTT
3'] double-stranded CDNA was ligated to Eco RI adaptors
(Pharmacia), digested with Not I and cloned into the Not I
and Eco RI sites of the modified pT73 vector. RNA
provided by Dr. Bertrand Jordan. Library went through two
rounds of normalization, and was constructed by Bento
Soares and M.Fatima Bonaldo."
BASE COUNT
152 a 119 c 119 g 111 t
ORIGIN
Query Match 91.1%; Score 16.4; DB 9; Length 501;
Best Local Similarity 94.4%; Pred. No. 2.e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY
1 GCGGGCTGTAAACAGTA 18
||| ||||| ||||| |||||
68 GGCAGCTGTAAACAGTA 51
DEFINITION
BM34786 509 bp mRNA linear EST 13-MAR-2002
UI-M-BH2.2-agm-d-12-0-UI 1 mRNA sequence.
ACCESSION
BM34786
VERSION
KEYWORDS
EST, house mouse.
ORGANISM
Mus musculus
REFERENCE
1 (bases 1 to 509)
Bonaldo,M.F., Lennon,G. and Soares,M.B.
Normalization and subtraction: two approaches to facilitate gene
discovery
JOURNAL
Genome Res. 6 (9), 791-806 (1996)
MEDLINE
9744477
COMMENT
Contact: Chin, H
National Institute of Mental Health
6001 Executive Blvd. Room 7N-7190, MSC 9643, Bethesda, MD
20892-9643, USA
Tel: 301 443 1705
Fax: 301 443 9890
Email: mestr@mail.nih.gov

FEATURES
source
High quality sequence stop: 372.
Location/Qualifiers
1. .501
/organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UI-M-BMAP_M_S3.2"
/dev_stager="27-32 days"
/lab_host="DH10B (Life Technologies)"
/note="Vector: pT73D-Pac (Pharmacia) with a modified
polylinker; Site_1: Not I; Site_2: Eco RI; The
NIH_BMAP_M_S3.2 library is a subtracted
library of a series, ultimately derived from a mixture of individually
tagged normalized
libraries from ten regions of the mouse
brain (cerebellum, brain stems, olfactory bulbs,
hypothalamus, cortex, amygdala, basal ganglia, pineal
gland, striatum, hippocampus) after a series of
subtractions to reduce the representation of cDNAs from
which ESTs had already been generated. The following
serially subtracted
libraries were generated in this
process: NIH_BMAP_M_S3.2, NIH_BMAP_M_S2, NIH_BMAP_M_S1.
The subtracted library (NIH_BMAP_M_S3.2) was constructed
as follows: PCR-amplified cDNA inserts from NIH_BMAP_M_S2
clones from which 3', ESTs had been derived was used as a
probe in hybridization with the NIH_BMAP_M_S2 library
in the form of single-stranded circles (subtracted library)
single-stranded circles (subtracted library) was purified
by hydroxyapatite column chromatography, converted to
double-stranded circles and electroporated into DH10B
bacteria (LifeTechnologies) to generate the
NIH_BMAP_M_S3.2 library. This procedure has been
previously described (Bonaldo, Lennon and Soares, Genome
Research 6:791-806, 1996).
BASE COUNT
151 a 106 c 135 g 117 t
ORIGIN
Query Match 91.1%; Score 16.4; DB 14; Length 509;
Best Local Similarity 94.4%; Pred. No. 2.e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY
1 GCGGGCTGTAAACAGTA 18
||| ||||| ||||| |||||
DEFINITION
BM34786 539 bp mRNA linear EST 04-DEC-2000
UI-M-CGOp-bpz-c-07-0-UI 1 mRNA sequence.
ACCESSION
BM34786
VERSION
KEYWORDS
EST, house mouse.
ORGANISM
Mus musculus
REFERENCE
1 (bases 1 to 539)
Bonaldo,M.F., Lennon,G. and Soares,M.B.
Normalization and subtraction: two approaches to facilitate gene
discovery
JOURNAL
Genome Res. 6 (9), 791-806 (1996)
MEDLINE
9704477
COMMENT
Contact: Chin, H
National Institute of Mental Health

6001 Executive Blvd. Room 7N-7190, MSC 9643, Bethesda, MD
20892-9643, USA

Tel: 301 443 1705

Fax: 301 443 9890

Email: mestr@mail.nih.gov

Oligo-dT track not found. Not 1 site shown in beginning of sequence is likely internal to the message. cDNA library preparation: M.B. Soares Lab. Clone distribution: Researchers may obtain BMAP cDNA clones from RESEARCH GENETICS. It should be noted that Bento Soares is generating a small number of additional specialized non-redundant arrays of BMAP cDNAs whose availability will be considered under appropriate and limited collaborative arrangements

Seq primer: M13 Forward

POLYA>No.

FEATURES
source
Location/Qualifiers
1. .539
/organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="txon:10090"
/clone="UI-M-CG0P-bpz-c-07-0-UR"
/clone.lib="NTH_BMAP_Ret4_S2"
/lab_host="BIOB LIFE Technologies"
/note="Vector: pTT3D-Pac (Pharmacia) with a modified
polylinker; Site 1: Not I; Site 2: Eco RI; The
NTH_BMAP_Ret4_S2 library is a subtracted library,
ultimately derived from mouse retina tissue libraries at
various stages of development. For a detailed description
of the library from which this clone was derived, Please
visit our web site at brainest.eng.uiowa.edu. The tissue
for this library was contributed by Dr. Xin-Yuan Fu, Yale
University School of Medicine
TAG_Seq=None found"

BASE COUNT
ORIGIN
121 a 158 c 124 g 136 t

Query Match 91.1%; Score 16.4; DB 12; Length 539;
Best Local Similarity 94.4%; Pred. No. 2.2e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 17; Conservative 0; QY 1 GGCAGCTGTAACAGTA 18
Db 295 GGCAGCTGTAACAGTA 312

Search completed: June 22, 2003, 09:13:30
Job time : 1761 secs